

Docket No.: 263996US2X PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION: Alexis COLLETTE, et al.

SERIAL NO.: 10/519,950

ATTN: APPLICATION DIVISION

FILED: December 29, 2004

FOR: SYSTEM, METHOD, DEVICE, AND COMPUTER PROGRAM PRODUCT FOR  
EXTRACTION, GATHERING, MANIPULATION, AND ANALYSIS OF PEAK DATA  
FROM AN AUTOMATED SEQUENCER

**LETTER SUBMITTING REPLACEMENT DRAWING SHEET(S)**

COMMISSIONER FOR PATENTS

Alexandria, VA 22313

SIR:

Responsive to the below indicated communication, the following drawing sheets are submitted herewith:

☒ 218 Replacement Drawing Sheets ☐ \_\_\_\_\_ New Drawing Sheets

☐ Official Action dated \_\_\_\_\_

☐ Notice of Allowance/Issue Fee dated \_\_\_\_\_

☒ Other Filed with Preliminary Amendment \_\_\_\_\_

The changes and/or modifications made include the following:

The attached sheets of drawings include formal Figs. 1-125. These sheets, which include Figs. 1-125, replace the original sheets including Figs. 1-125.

Respectfully Submitted,

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IN THE DRAWINGS

The attached sheets of drawings include formal Figs. 1-125. These sheets, which include Figs. 1-125, replace the original sheets including Figs. 1-125.

Attachment: Replacement Sheets

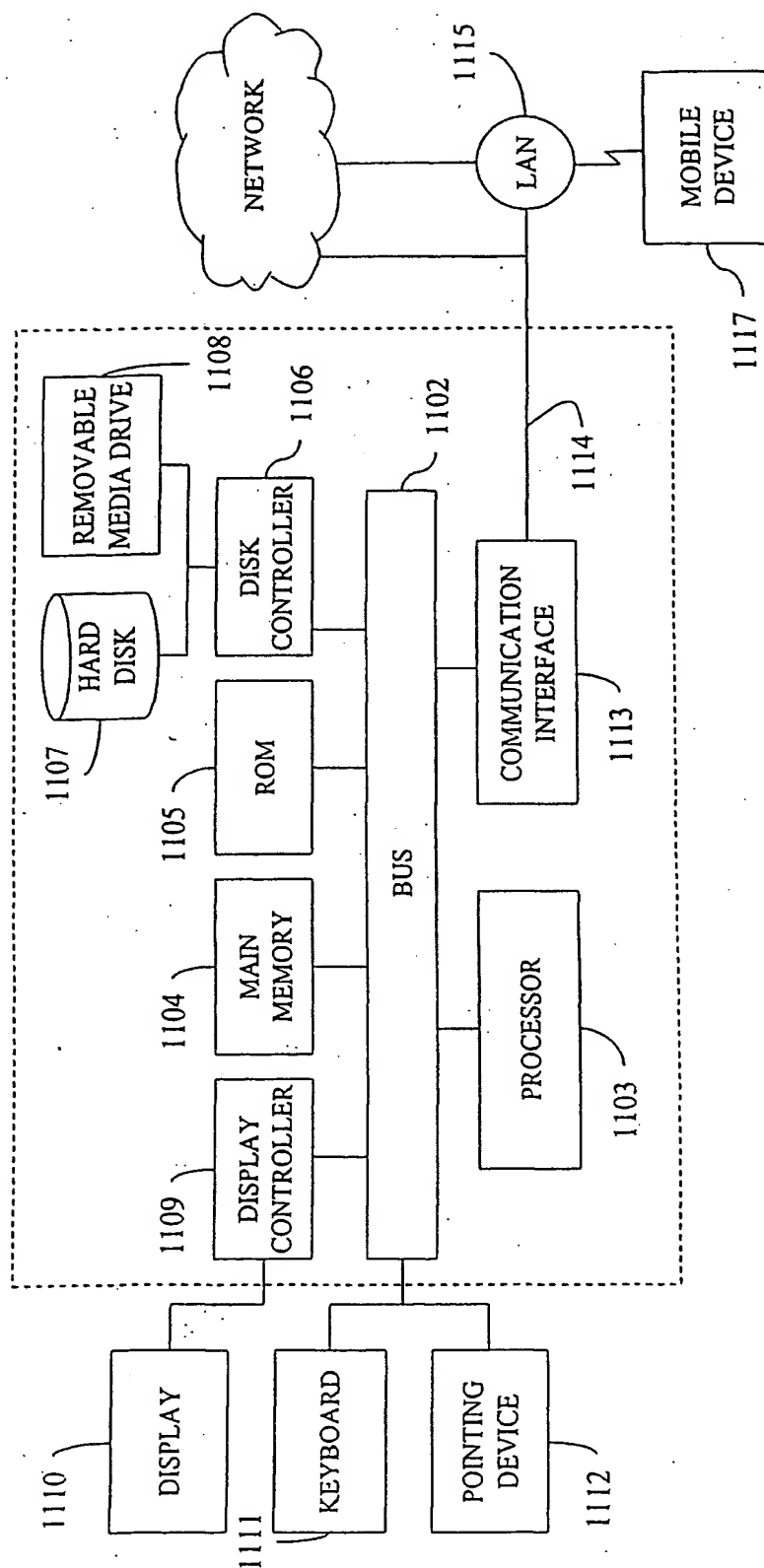


FIGURE 1

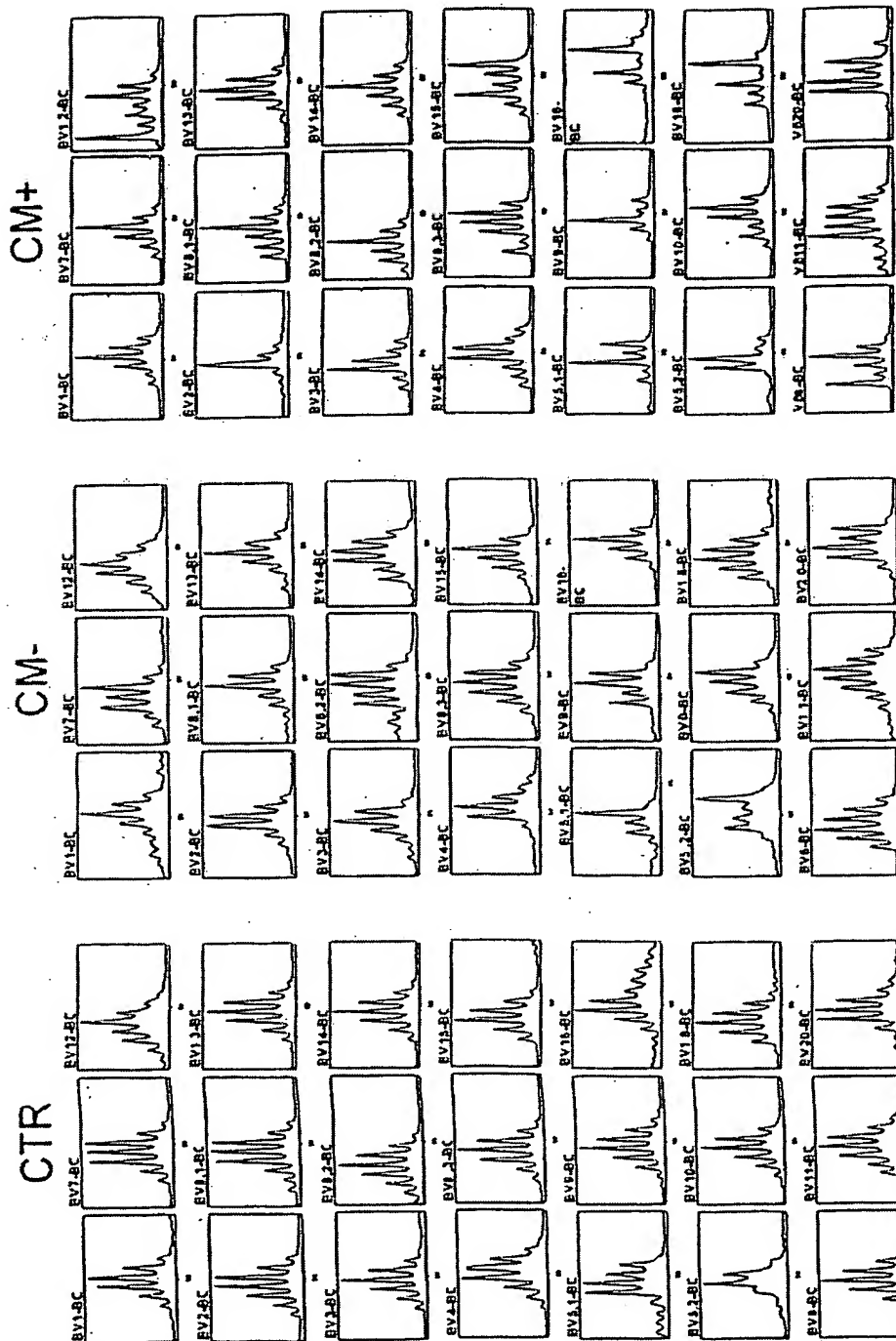


FIGURE 2

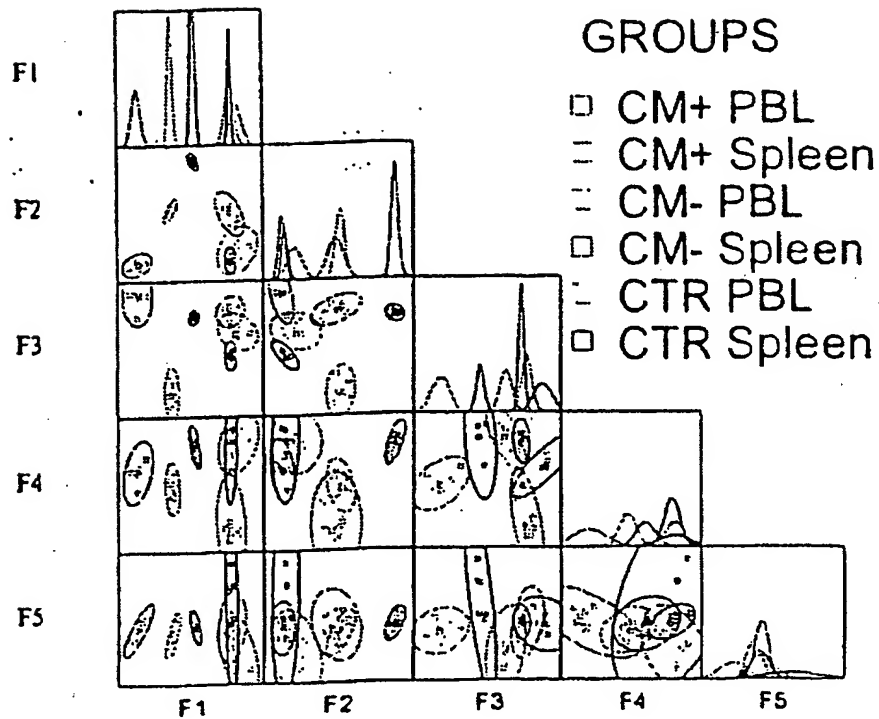


Figure 3

Figure 4a

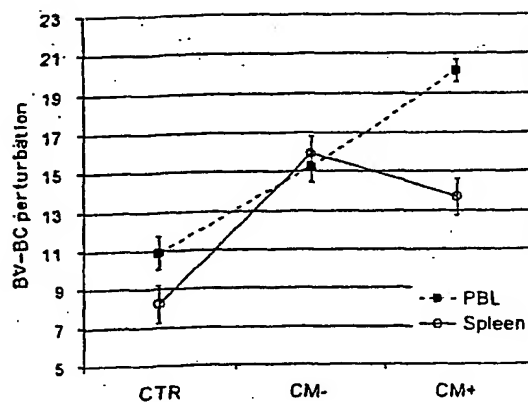
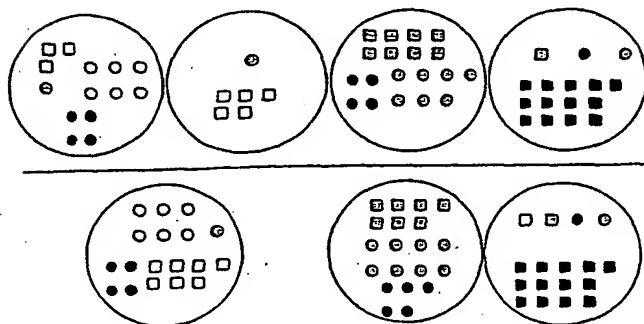


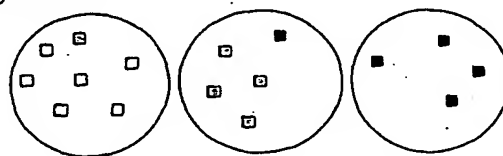
Figure 4b

k=4



k=3

Figure 4c



k=3

□ CTR PBL    □ CM- PBL    ■ CM+ PBL  
○ CTR Spleen    ○ CM- Spleen    ● CM+ Spleen

10/519950

5/218

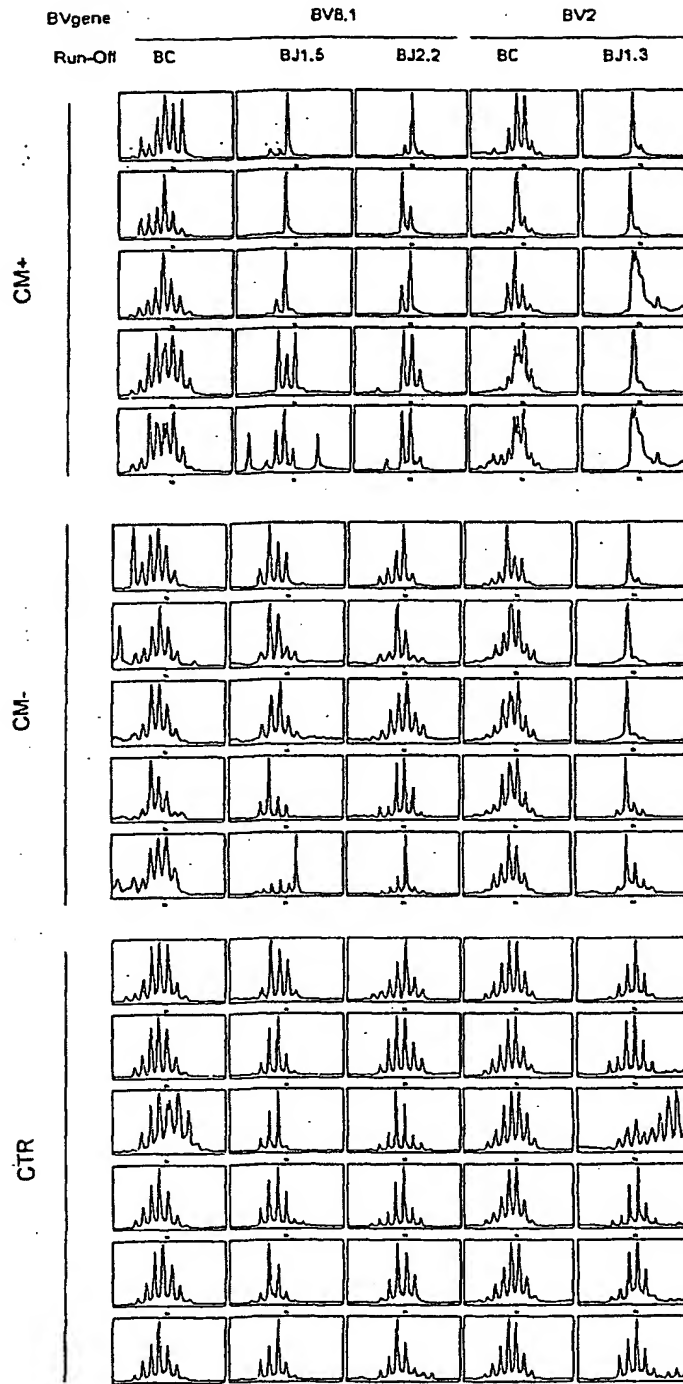


FIGURE 5

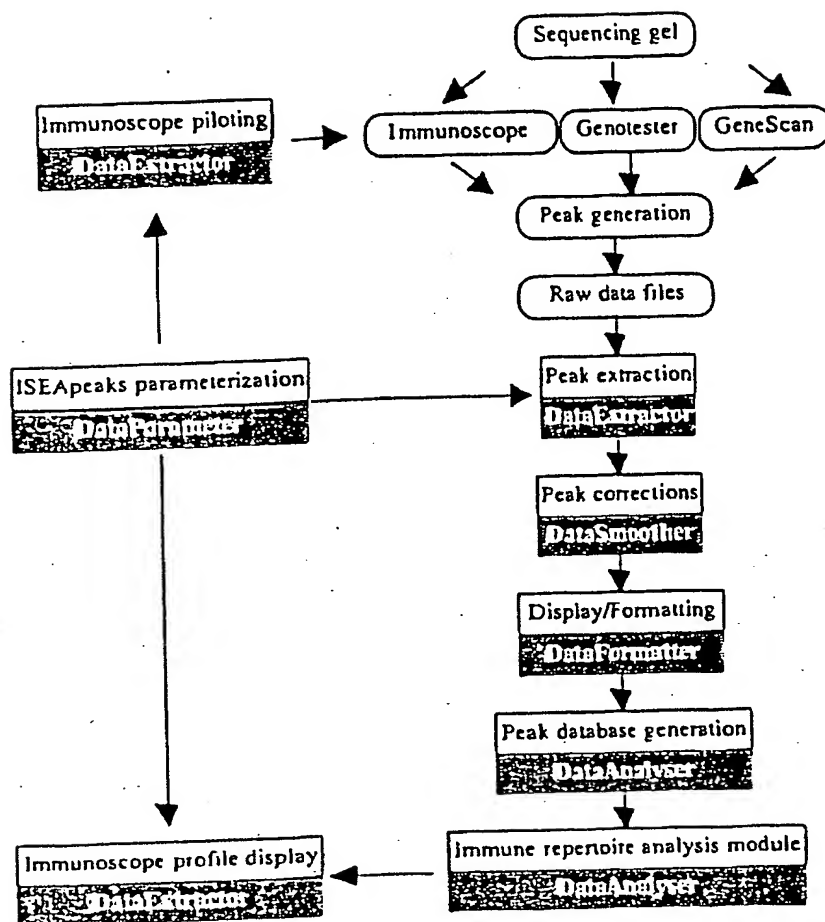
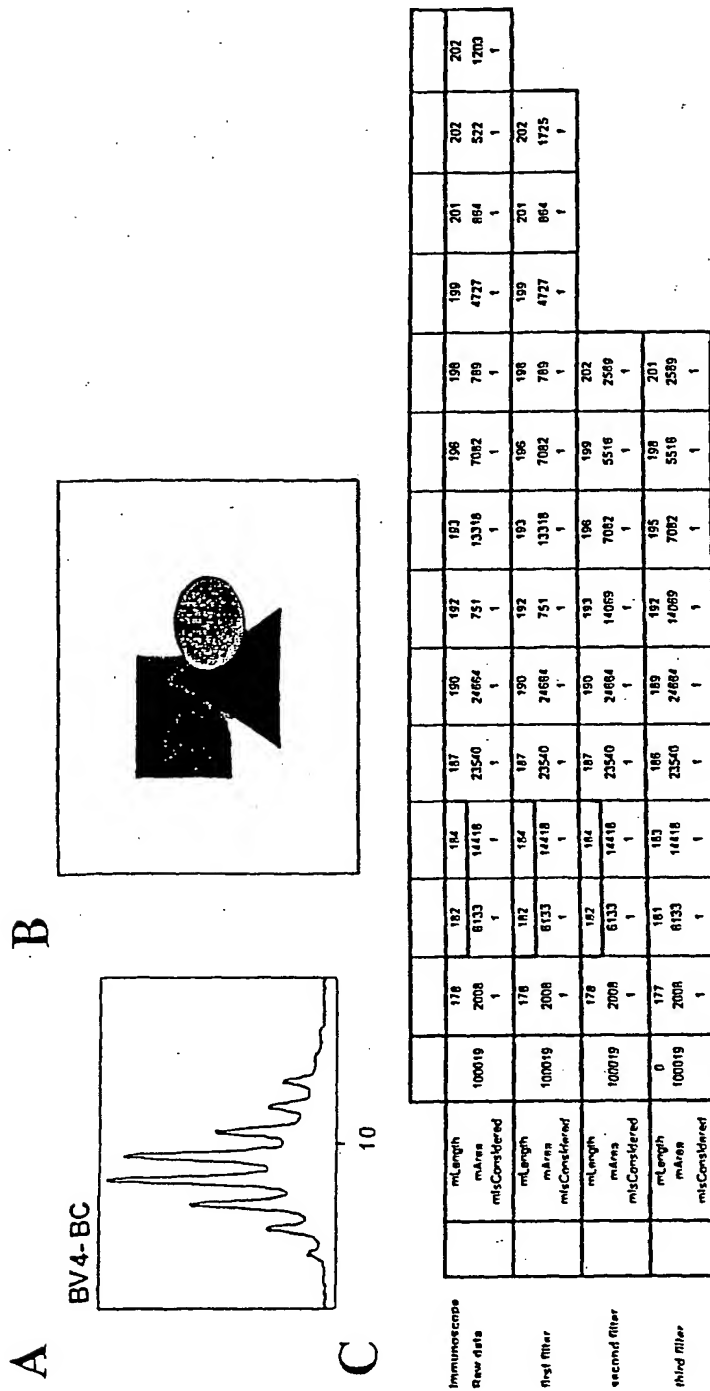


FIGURE 6

**7/218**



### FIGURE 7

8/218

10/519950

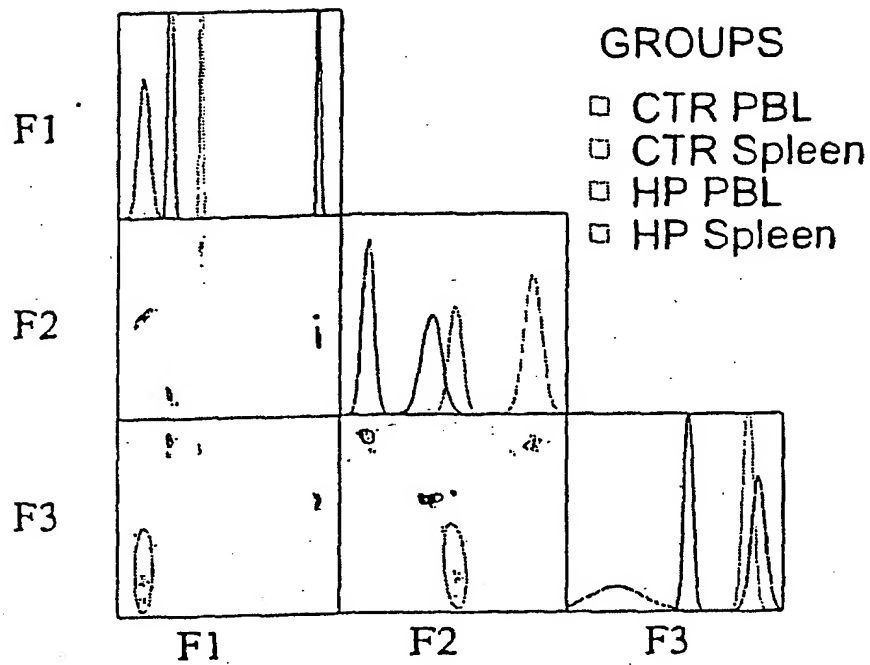


FIGURE 8

10/519950

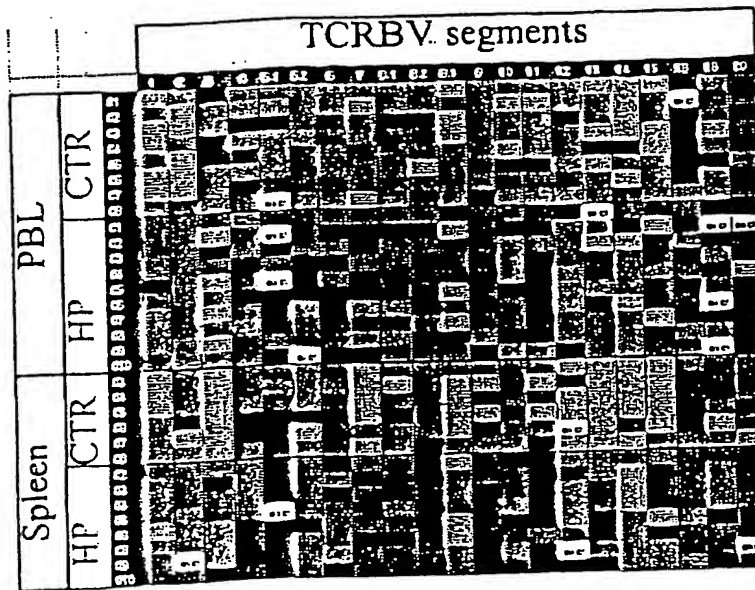


FIGURE 9

10/519950

10/218

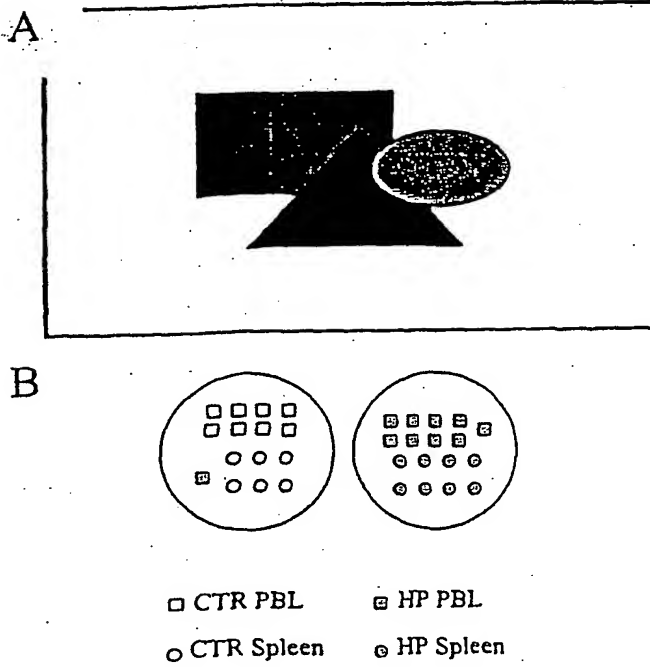
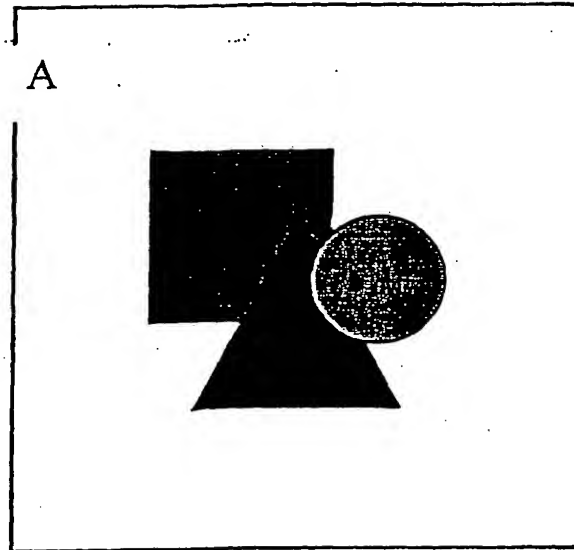


FIGURE 10

10/519950

11/218



B

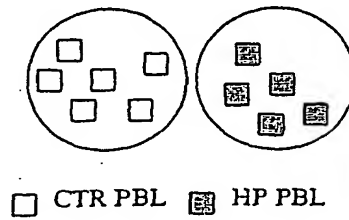


FIGURE 11

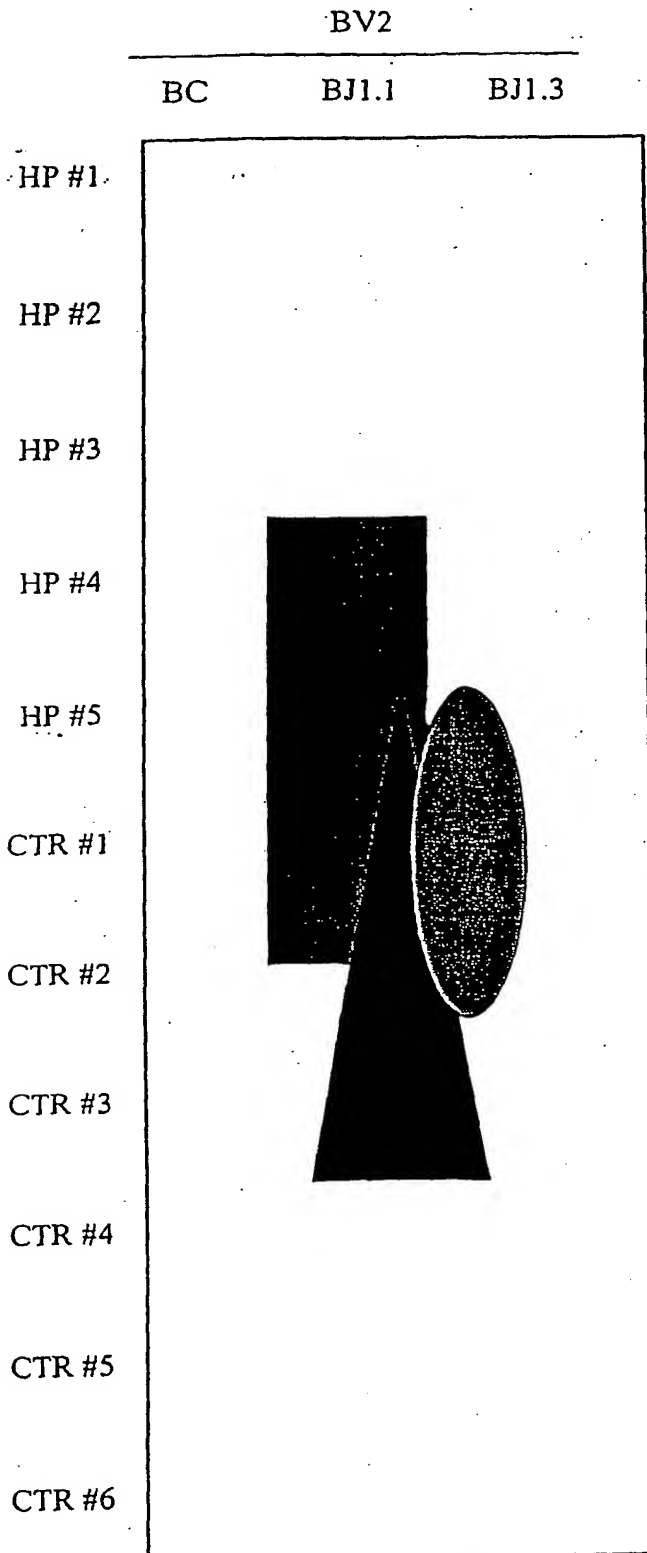


FIGURE 12

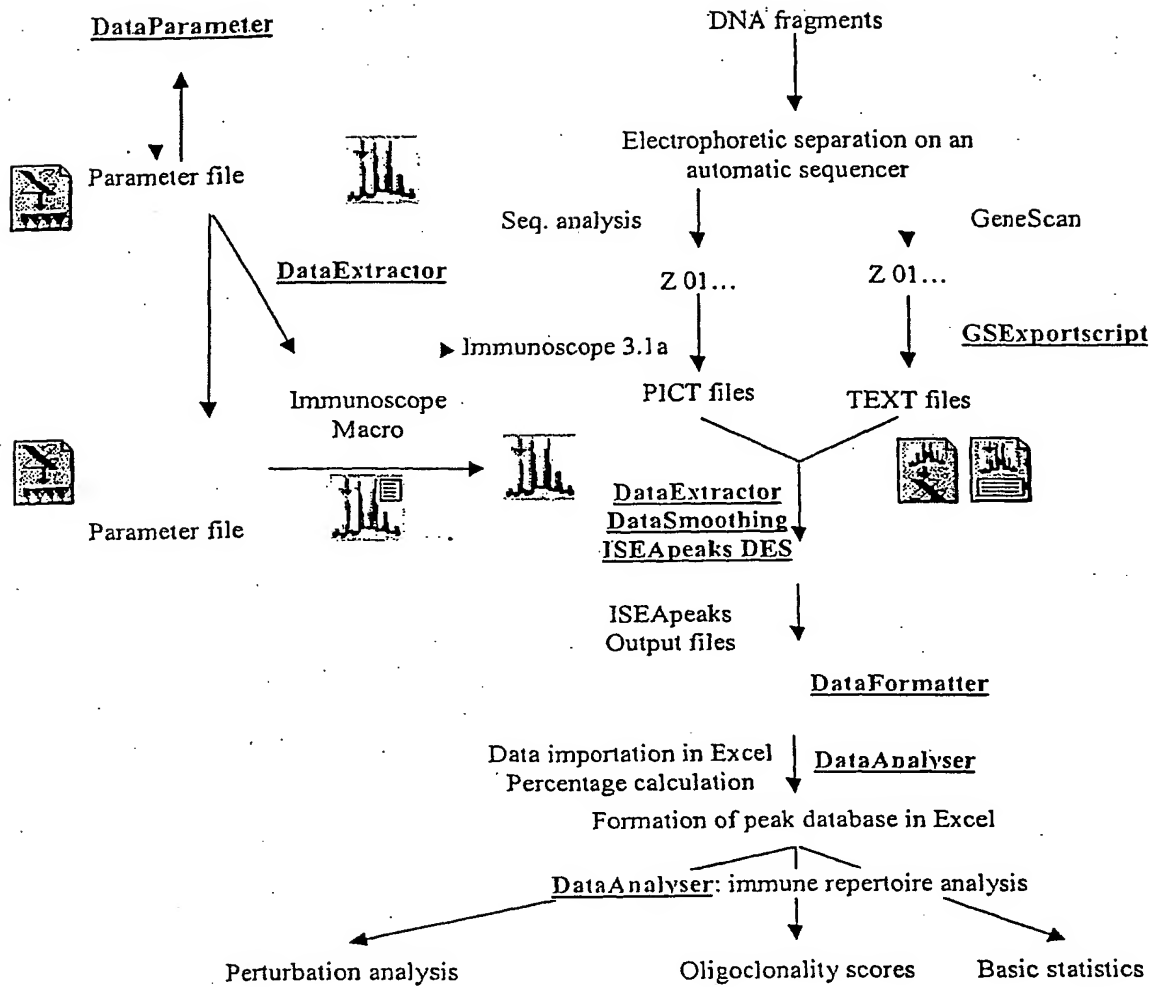
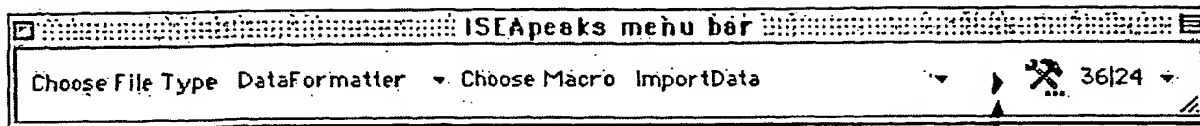


FIGURE 13

14/218



Run button

FIGURE 14

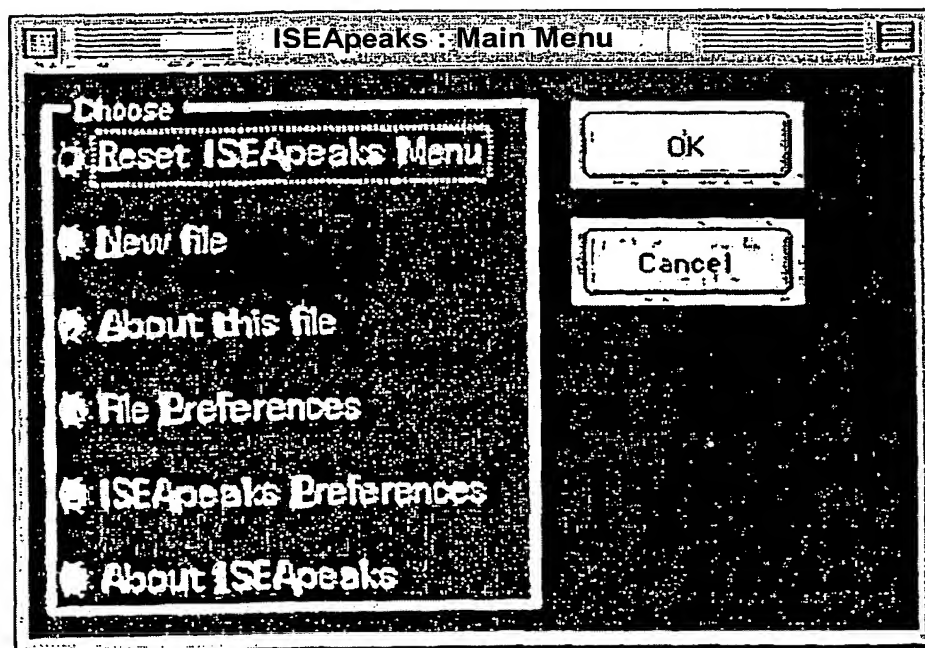


FIGURE 15

10/519950

The image shows a screenshot of a software preferences window titled "CPICPLACES preferences". The window is divided into two main sections. The top section contains two numeric input fields: "kMaxColNb" with a value of 12, and "kMaxLinNb" with a value of 16. Below these fields are three buttons: "OK", "Reset", and "Cancel". The bottom section is titled "General preferences" and contains three settings: "Screen updating" with radio buttons for "On" (selected) and "Off"; "kMaxPeakNb" with a value of 24; "kGelWellNb" with a value of 36; and "kProfileNbPerRep" with a value of 24. At the bottom of the window, there is a status bar that reads "ISEApeaks XL Preferences".

**CPICPLACES preferences**

kMaxColNb 12

kMaxLinNb 16

OK Reset Cancel

**General preferences**

Screen updating ☒ On ☐ Off

kMaxPeakNb 24

kGelWellNb 36

kProfileNbPerRep 24

ISEApeaks XL Preferences

FIGURE 16

10/519950

16/218

27	Well	1	2	3	4	5
28	mIsConsidered	1	1	1	1	1
29	mDescription	Yb08.1-Jb1.3	Yb08.1-Jb2.7	Yb08.1-Jb2.3	Yb08.1-Jb1.6	Yb08.1-Jb2.4
30	mTheoricLength	188	205	188	202	188
31	mNewOrder	27	36	33	30	34
32						
33	Well	15	16	15	16	17
34	mIsConsidered	1	1	1	1	1
35	mDescription	Yb14-Jb1.3	Yb14-Jb2.7	Yb14-Jb2.3	Yb14-Jb1.6	Yb14-Jb2.4
36	mTheoricLength	115	132	115	129	115
37	mNewOrder	51	60	57	54	58
38						
39						
40	Well	25	26	27	28	29
41	mIsConsidered	1	1	1	1	1
42	mDescription	Yb14-Jb1.3	Yb14-Jb2.7	Yb14-Jb2.3	Yb14-Jb1.6	Yb14-Jb2.4
43	mTheoricLength	115	132	115	129	115
44	mNewOrder	51	60	57	54	58
45						
46						
47						
48	Well	1	2	3	4	5
49	mIsConsidered	1	1	1	1	1
50	mDescription	Yb06-Jb1.3	Yb06-Jb2.7	Yb06-Jb2.3	Yb06-Jb1.6	Yb06-Jb2.4
51	mTheoricLength	103	120	103	117	103
52	mNewOrder	3	12	9	6	10
53						
54	Well	15	16	15	16	17
55	mIsConsidered	1	1	1	1	1
56	mDescription	Yb09-Jb1.3	Yb09-Jb2.7	Yb09-Jb2.3	Yb09-Jb1.6	Yb09-Jb2.4
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39	mFolderName	Gel002	Gel010	IST Peaks menu bar	
40	mCGELFileName	m3SET v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2	Choose File Type: DataFormatter Choose Macro Import Data	
41	mSet	1	1		
42	mWellsNbPerSet	24	72		
43	mDescription	TCRBY08.1	Yb08.1-Jb1.5	Yb08.1-Jb2.2	NONE
44					
45		61	62	63	64
1	m3SET v2.0	New CGEL	New CPictPlaces		
30	mIsConsidered	1	1	1	0
31	mFolderName	Gel004	Gel009	Gel009	NONE
32	mCGELFileName	m3SET v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	NONE
33	mSet	2	1	1	1
34	mWellsNbPerSet	24	72	72	72
35	mDescription	TCRBY08.1	Yb08.1-Jb1.5	Yb08.1-Jb2.2	NONE
36					
37		49	50	51	52
38	mIsConsidered	1	1	1	0
22	mIsConsidered	1	1	1	0
23	mFolderName	Gel004	Gel008	Gel008	NONE
24	mCGELFileName	m3SET v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	NONE
25	mSet	1	1	1	1
26	mWellsNbPerSet	24	72	72	72
27	mDescription	TCRBY08.1	Yb08.1-Jb1.5	Yb08.1-Jb2.2	NONE
28					
29		57	58	59	60
13		13	14	15	16
14	mIsConsidered	1	1	1	0
15	mFolderName	Gel003	Gel007	Gel007	NONE
16	mCGELFileName	m3SET v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	NONE
17	mSet	3	1	1	1
18	mWellsNbPerSet	24	72	72	72
19	mDescription	TCRBY08.1	Yb08.1-Jb1.5	Yb08.1-Jb2.2	NONE
20					
21		25	26	27	28
5		1	2	3	4
36	mIsConsidered	1	1	1	0
37	mFolderName	Gel002	Gel006	Gel006	NONE
38	mCGELFileName	m3SET v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	Yb6,9,8,1,8,2,14,8,3-Jb v2.0	NONE
39	mSet	3	1	1	1
40	mWellsNbPerSet	24	72	72	72
41	mDescription	TCRBY08.1	Yb08.1-Jb1.5	Yb08.1-Jb2.2	NONE
42					
DP 2.0.xls					
1	mDestFolderName =	Output			
2	mMaxColNb =	12			
3	mMaxLinNb =	16			

FIGURE 18

FIGURE 19

10/519950

8	6	DF 2.0 Gel011	Data.3	1	1.2	mice 1.2	30	
9	7	DF 2.0 Gel012	Data.3	1	1.3	mice 1.3	50	
10	8	DF 2.0 Gel013	Data.3	1	1.4	mice 1.4	100	
11	9	DF 2.0 Gel014	Data.3	1	1.5	mice 1.5		
12								
13								
14								
para Peaks NewGorochov NewRepArray NewDechanet NewOligoclonalScore								
DA 2.0 ex								
Parameters of file to use								
2		Workbook	Sheet	Group	Nature	Remark	DrawArray parameters	
3	1	DF 2.0 Gel006	Data.3	2	2.1	mice 2.1	when excluded	color
4	2	DF 2.0 Gel007	Data.3	2	2.2	mice 2.2	5	
5	3	DF 2.0 Gel008	Data.3	2	2.3	mice 2.3	10	
6	4	DF 2.0 Gel009	Data.3	2	2.4	mice 2.4	20	
7	5	DF 2.0 Gel010	Data.3	1	1.1	mice 1.1	25	

FIGURE 20

30	Vb08.1-Jb1.5	12	205	191	205	7.00	length failed	0.00	length failed	0.00
31	Vb08.1-Jb1.5	5	175	190	length failed	0.00	length failed	0.00	length failed	0.00
32	Vb08.1-Jb1.5	7	181	190	181	8.13	181	9.23	181	7.73
33	Vb08.1-Jb1.5	8	184	190	184	31.61	184	32.96	184	49.39
34	Vb08.1-Jb1.5	9	187	190	187	28.60	187	42.12	187	33.11
35	Vb08.1-Jb1.5	10	190	190	190	24.01	190	15.69	190	9.77
36	Vb08.1-Jb1.5	11	193	190	193	7.44	length failed	0.00	length failed	0.00
para Peaks NewGorochov NewRepArray NewDechanet NewOligoclonalScore										
22	Vb08.1-Jb1.5	11	191	188	191	10.83	191	15.18	191	10.60
23	Vb08.1-Jb1.5	12	194	188	length failed	0.00	length failed	0.00	length failed	0.00
24	Vb08.1-Jb1.5	14	200	188	length failed	0.00	200	4.41	length failed	0.00
25	Vb08.1-Jb1.4	7	186	197	188	5.08	188	7.97	188	6.42
26	Vb08.1-Jb1.4	8	191	197	191	12.21	191	17.04	191	8.44
27	Vb08.1-Jb1.4	9	194	197	194	29.67	194	31.29	194	34.29
28	Vb08.1-Jb1.4	10	197	197	197	30.89	197	34.35	197	35.09
29	Vb08.1-Jb1.4	11	200	197	200	14.28	200	9.35	200	13.75
13	Vb08.1-Jb1.2	8	190	196	190	34.78	190	30.53	190	46.50
14	Vb08.1-Jb1.2	9	193	196	193	29.65	193	34.37	193	33.93
15	Vb08.1-Jb1.2	10	196	196	196	17.35	196	21.79	196	9.61
16	Vb08.1-Jb1.2	11	199	196	length failed	0.00	199	4.99	length failed	0.00
17	Vb08.1-Jb1.3	5	173	188	length failed	0.00	length failed	0.00	length failed	0.00
18	Vb08.1-Jb1.3	7	179	188	179	8.40	179	5.64	length failed	0.00
19	Vb08.1-Jb1.3	8	182	188	182	25.42	182	12.34	182	25.25
20	Vb08.1-Jb1.3	9	185	188	185	31.42	185	33.87	185	40.10
21	Vb08.1-Jb1.3	10	188	188	188	23.52	188	28.76	188	28.05
25	Vb08.1-Jb1.1	7	191	200	191	16.31	191	13.25	191	15.04
26	Vb08.1-Jb1.1	8	194	200	194	28.26	194	28.49	194	27.58
27	Vb08.1-Jb1.1	9	197	200	197	30.26	197	34.75	197	32.28
28	Vb08.1-Jb1.1	10	200	200	200	13.73	200	10.47	200	13.37
29	Vb08.1-Jb1.1	11	203	200	203	4.90	203	6.27	203	3.24
10	Vb08.1-Jb1.2	5	181	196	length failed	0.00	length failed	0.00	length failed	0.00
11	Vb08.1-Jb1.2	6	184	196	184	5.36	length failed	0.00	184	4.20
12	Vb08.1-Jb1.2	7	187	196	187	12.65	187	8.33	187	5.76
DA 2.0 ex										
1	mDescription CDRS (nm) Length (nt) CDRS (10 nm) Length % Length % Length %									
2	Length % Length % Length %									
3	Vb08.1-Jb1.1	5	185	200	length failed	0.00	length failed	0.00	length failed	0.00

FIGURE 21

**FIGURE 22**

21/218

[illegible]**FIGURE 23**

10/519950

22/218

25	Vb08.1-Jb1.2	5	181	0.00	0.00	0.00	0.00
26	Vb08.1-Jb1.2	6	184	0.28	0.01	0.08	0.00
27	Vb08.1-Jb1.2	7	187	0.81	0.02	0.01	0.12
28	Vb08.1-Jb1.2	8	190	2.83	0.06	0.06	0.71
29	Vb08.1-Jb1.2	9	193	3.03	0.68	0.01	0.12
30	Vb08.1-Jb1.2	10	196	1.39	0.01	0.21	0.40
31	Vb08.1-Jb1.2	11	199	0.11	0.01	0.10	0.01
32	Vb08.1-Jb1.3	5	173	0.00	0.00	0.00	0.00
Peaks / New Percent Imports / New Gorochov / New Dechanet / New RepA							
15							
16							
17	mDescription	COR3 (ea)	PCR length (Pc (Control))	2.1	2.2	2.3	
18	Vb08.1-Jb1.1	5	185	0.00	0.00	0.00	0.00
19	Vb08.1-Jb1.1	6	188	0.65	0.01	0.00	0.09
20	Vb08.1-Jb1.1	7	191	1.49	0.00	0.09	0.04
21	Vb08.1-Jb1.1	8	194	2.68	0.04	0.01	0.18
22	Vb08.1-Jb1.1	9	197	3.25	0.35	0.02	0.15
23	Vb08.1-Jb1.1	10	200	1.47	0.07	0.28	0.00
24	Vb08.1-Jb1.1	11	203	0.45	0.00	0.01	0.01
25	Vb08.1-Jb1.3	0.62	0.72	0.45	0.55	1.67	3.78
26	Vb08.1-Jb1.4	1.06	0.98	0.65	0.88	2.31	1.13
27	Vb08.1-Jb1.5	0.60	0.30	1.07	0.74	3.96	2.58
28	Vb08.1-Jb1.6	0.35	0.25	0.31	0.36	1.10	1.22
29	Vb08.1-Jb2.1	1.25	2.08	0.67	1.24	4.13	4.81
30	Vb08.1-Jb2.2	0.72	0.38	0.59	0.63	2.07	2.19
31	Vb08.1-Jb2.3	1.46	1.93	0.95	0.74	2.62	2.39
32	Vb08.1-Jb2.4	1.20	1.34	0.97	0.59	6.17	4.18
33	Vb08.1-Jb2.5	1.00	1.09	0.86	0.87	2.82	3.41
34	Vb08.1-Jb2.7	0.58	0.55	0.72	0.65	2.78	2.80
DA 2.0 ex							
1	Dechanet scores	2.1	2.2	2.3	2.4	1.1	1.2
2	Sample	3.20	3.74	2.76	2.92	14.41	11.07
3	Vb08.1-Jb1.1	0.69	0.65	0.69	0.88	4.94	4.81
4	Vb08.1-Jb1.2	0.89	0.69	1.17	1.41	8.72	2.25

FIGURE 24

10/519950

23/218

25	VbDB.1-Jb1.4	8	191	13.46	0.91	1.27	0.63	1.20	0.00	0.69	1.24
26	VbDB.1-Jb1.4	9	194	32.25	0.92	0.97	1.06	1.05	2.04	1.40	1.10
27	VbDB.1-Jb1.4	10	197	31.80	0.97	1.08	1.10	0.84	1.07	1.05	1.24
28	VbDB.1-Jb1.4	11	200	13.55	1.05	0.69	1.01	1.24	0.00	0.89	0.62
29	VbDB.1-Jb1.4	12	203	1.97	4.00	0.00	0.00	0.00	0.00	0.00	0.00
30	VbDB.1-Jb1.5	5	175	0.00	∞	∞	∞	∞	∞	∞	∞
31	VbDB.1-Jb1.5	7	181	9.80	0.83	0.94	0.79	1.44	0.00	1.10	0.00
32	VbDB.1-Jb1.5	8	184	34.32	0.92	0.96	1.44	0.68	0.00	0.29	0.61
NewDechinet New RIS NewOligoclonalScore NewRepArray											
15	VbDB.1-Jb1.2	11	199	1.25	0.00	4.00	0.00	0.00	0.00	0.00	0.00
16	VbDB.1-Jb1.3	5	173	0.00	∞	∞	∞	∞	∞	∞	excluded
17	VbDB.1-Jb1.3	7	179	4.60	1.83	1.23	0.00	0.95	0.00	0.00	excluded
18	VbDB.1-Jb1.3	8	182	19.36	1.31	0.64	1.30	0.75	0.00	0.75	excluded
19	VbDB.1-Jb1.3	9	185	35.83	0.88	0.95	1.12	1.06	0.71	2.39	excluded
20	VbDB.1-Jb1.3	10	188	23.14	1.03	1.23	1.04	0.69	2.19	0.00	excluded
21	VbDB.1-Jb1.3	11	191	14.24	0.76	1.07	0.74	1.43	0.93	0.00	excluded
22	VbDB.1-Jb1.3	12	194	0.00	∞	∞	∞	∞	∞	∞	excluded
23	VbDB.1-Jb1.3	14	200	2.83	0.00	1.56	0.00	2.44	0.00	0.00	excluded
24	VbDB.1-Jb1.4	7	188	6.98	0.73	1.14	1.21	0.92	0.00	0.00	0.00
5	VbDB.1-Jb1.1	8	194	26.97	1.05	1.06	1.02	0.87	1.65	1.05	0.76
6	VbDB.1-Jb1.1	9	197	32.46	0.93	1.07	0.99	1.00	0.46	0.80	1.62
7	VbDB.1-Jb1.1	10	200	14.50	0.95	0.72	0.92	1.41	0.00	0.00	0.63
8	VbDB.1-Jb1.1	11	203	4.63	1.06	1.35	0.70	0.89	0.00	0.00	0.00
9	VbDB.1-Jb1.2	5	181	0.00	∞	∞	∞	∞	∞	∞	∞
10	VbDB.1-Jb1.2	6	184	3.39	1.58	0.00	1.24	1.18	15.71	0.00	0.00
11	VbDB.1-Jb1.2	7	187	9.51	1.35	0.88	0.61	1.17	1.52	0.73	0.70
12	VbDB.1-Jb1.2	8	190	34.15	1.02	0.89	1.36	0.73	0.39	1.03	0.63
13	VbDB.1-Jb1.2	9	193	35.33	0.84	0.97	0.96	1.23	0.53	0.84	0.92
14	VbDB.1-Jb1.2	10	196	16.37	1.06	1.33	0.59	1.02	0.00	1.47	2.40
DA 2.0 ex											
1	mDescription	CDR5 (aa)	Length (nt)	Pc (Control)	2.1	2.2	2.3	2.4	1.1	1.2	1.3
2	VbDB.1-Jb1.1	5	185	0.00	∞	∞	∞	∞	∞	∞	∞
3	VbDB.1-Jb1.1	6	188	6.53	1.00	1.04	1.30	0.66	0.00	7.01	0.00
4	VbDB.1-Jb1.1	7	191	14.91	1.09	0.89	1.01	1.01	2.71	0.00	1.20

FIGURE 25

10/519950

24/218

24	VbDB.1-Jb1.6	11	205	0.04	0.05	0.09	0.04	0.11	1.86	3.56	0.20	0.26	0.52	0.05	5	4	
25	VbDB.1-Jb1.6	10	202	0.07	0.05	0.21	0.04	0.09	2.24	0.63	0.19	0.63	0.43	0.07	5	4	
26	VbDB.1-Jb1.1	9	197	0.08	0.09	0.08	0.08	0.74	1.29	0.96	0.06	0.04	0.29	0.08	5	4	
27	VbDB.1-Jb1.1	8	194	0.07	0.07	0.07	0.06	2.22	1.41	0.37	0.05	0.03	0.28	0.07	5	4	
28	VbDB.1-Jb2.5	9	165	0.09	0.20	0.09	0.31	0.55	0.15	0.84	0.26	0.08	0.27	0.15	5	4	
29	VbDB.1-Jb1.2	9	193	0.20	0.23	0.23	0.29	0.34	0.20	0.59	0.29	0.13	0.27	0.24	5	4	
141419111 / NewDechinet / NewRIS / NewOligonotScore / NewRepArray /																	
16	mDescription	CORS (as)	Length	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	Score 1	Score 2	Nb 1	Nb 2
17	VbDB.1-Jb2.2	10	205	0.03	0.07	0.57	0.02	4.75	11.41	8.88	2.00	0.79	3.77	0.07	5	4	
18	VbDB.1-Jb1.5	9	187	0.19	0.77	0.61	0.86	36.79	3.95	10.70	1.34	0.08	2.76	0.53	5	4	
19	VbDB.1-Jb2.2	9	202	0.02	0.07	0.67	0.03	8.78	2.12	4.65	2.05	0.65	2.59	0.07	5	4	
20	VbDB.1-Jb1.3	9	185	0.21	0.08	0.73	0.09	0.47	11.57	excluded	0.74	1.19	1.48	0.19	5	4	
21	VbDB.1-Jb1.4	9	194	0.07	0.21	0.23	0.23	8.92	0.82	0.65	0.67	0.79	1.20	0.17	5	4	
22	VbDB.1-Jb1.4	10	197	0.08	0.23	0.24	0.18	4.62	0.61	0.72	0.46	0.56	0.68	0.17	5	4	
23	VbDB.1-Jb1.6	9	199	0.06	0.09	0.23	0.06	0.92	0.89	0.79	0.10	0.70	0.54	0.09	5	4	
9	VbDB.1-Jb2.2	7	6	4	7	2	2	2	3	4							
10	VbDB.1-Jb2.5	6	6	6	5	4	6	5	5	5							
11	VbDB.1-Jb2.4	6	7	5	5	3	7	6	5	6							
12	VbDB.1-Jb2.5	6	5	5	5	4	5	4	5	6							
13	VbDB.1-Jb2.7	6	7	6	6	5	6	6	5	6							
141																	
15 SCORE																	
1	Pool numbers	2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	VbDB.1-Jb1.1	6	6	5	6	3	4	4	4	6	7						
3	VbDB.1-Jb1.2	6	6	5	5	4	4	4	4	6	6						
4	VbDB.1-Jb1.3	6	6	4	6	4	4	4	4	6	6						
5	VbDB.1-Jb1.4	6	5	5	5	2	4	4	4	4	4						
6	VbDB.1-Jb1.5	6	4	4	4	1	4	4	2	3	6						
7	VbDB.1-Jb1.6	6	6	5	6	4	4	4	3	5	4						
16																	
DA 2.0 ex																	
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																	

FIGURE 26

39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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10/519950

Représentation de la perturbation globale

Gorochov	TCRAV02	TCRAV08	TCRAV15	TCRBV04	TCRBV08.1
CTR01					excluded
CTR02					
CTR03					
CTR04					
CTR05					
LACKC06				excluded	
LACKC07		excluded		excluded	
LACKC08				excluded	
LACKC09					
LACKC10	excluded				
LACKp11					
LACKp12					
LACKp13		excluded			
LACKp14					
LACKp15					
L+IL-2 16					
L+IL-2 17					
L+IL-2 18					
L+IL-2 19					
L+IL-2 20					
Lp+IL-2 21					
Lp+IL-2 22					
Lp+IL-2 23					
Lp+IL-2 24					
Lp+IL-2 25					

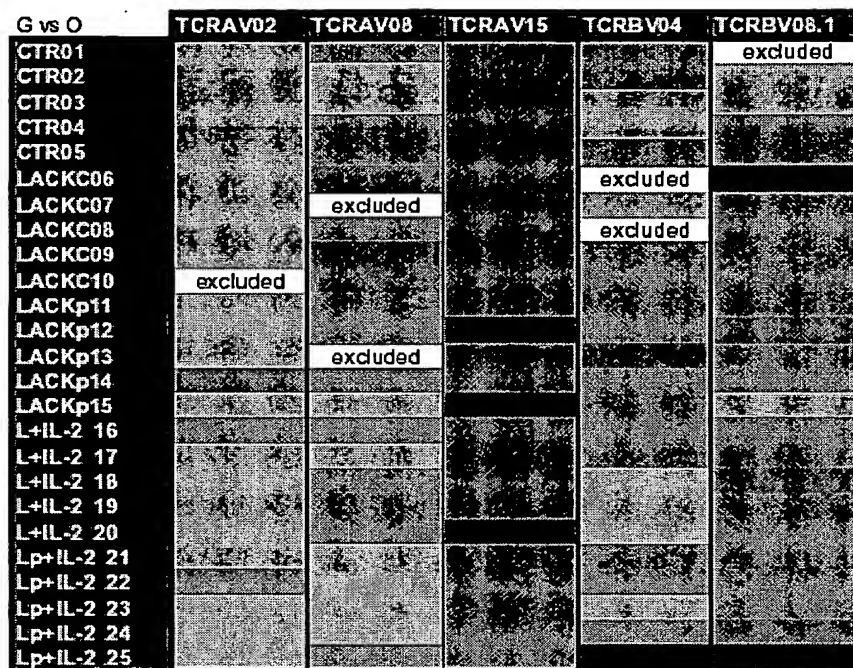
Gorochov	TCRAV02	TCRAV08	TCRAV15	TCRBV04	TCRBV08.1
CTR01	1,94	5,17	16,38	7,82	excluded
CTR02	0,63	3,77	19,38	5,23	2,82
CTR03	2,02	2,32	11,74	4,74	3,22
CTR04	2,81	7,01	11,51	2,80	5,55
CTR05	0,82	7,29	11,99	5,03	7,24
LACKC06	2,44	14,70	17,39	excluded	43,90
LACKC07	2,23	excluded	17,82	4,25	8,94
LACKC08	2,12	7,71	18,51	excluded	5,66
LACKC09	0,79	11,32	18,32	6,00	5,46
LACKC10	excluded	11,38	15,27	5,60	9,13
LACKp11	2,15	8,99	16,37	9,01	5,81
LACKp12	2,34	9,68	20,34	6,97	10,19
LACKp13	4,27	excluded	16,72	12,33	9,34
LACKp14	10,36	7,12	16,63	6,22	6,59
LACKp15	2,79	3,09	20,18	8,52	3,89
L+IL-2 16	5,17	6,09	19,78	5,63	8,77
L+IL-2 17	4,51	2,94	16,81	6,25	8,94
L+IL-2 18	2,29	5,91	19,72	4,14	10,65
L+IL-2 19	2,52	9,62	18,48	4,89	8,58
L+IL-2 20	4,53	7,69	20,02	4,76	6,80
Lp+IL-2 21	2,55	4,89	19,57	5,47	8,78
Lp+IL-2 22	5,50	4,15	14,00	6,33	7,12
Lp+IL-2 23	2,33	3,19	18,08	4,43	9,80
Lp+IL-2 24	3,27	4,84	20,00	7,23	10,53
Lp+IL-2 25	4,83	5,70	19,00	36,51	35,78

DrawArray parameters

when <	color
excluded	
5	
10	
20	
25	
30	
50	
100	

FIGURE 28

Représentation de la perturbation globale versus l'oligoclonalité



G vs O	TCRAV02	TCRAV08	TCRAV15	TCRBV04	TCRBV08.1
CTR01	1,94	5,17	16,38	7,82	excluded
CTR02	0,63	3,77	19,38	5,23	2,82
CTR03	2,02	2,32	11,74	4,74	3,22
CTR04	2,81	7,01	11,51	2,80	5,55
CTR05	0,82	7,29	11,99	5,03	7,24
LACKC06	2,44	14,70	17,39	excluded	43,90
LACKC07	2,23	excluded	17,82	4,25	8,94
LACKC08	2,12	7,71	18,51	excluded	5,66
LACKC09	0,79	11,32	18,32	6,00	5,46
LACKC10	excluded	11,38	15,27	5,60	9,13
LACKp11	2,15	8,99	16,37	9,01	5,81
LACKp12	2,34	9,68	20,34	8,97	10,19
LACKp13	4,27	excluded	18,72	12,33	9,34
LACKp14	10,36	7,12	16,63	6,22	6,59
LACKp15	2,79	3,09	20,18	8,52	3,89
L+IL-2 16	5,17	6,09	19,78	5,63	8,77
L+IL-2 17	4,51	2,94	16,81	6,25	8,94
L+IL-2 18	2,29	5,91	19,72	4,14	10,65
L+IL-2 19	2,52	9,62	18,48	4,89	8,58
L+IL-2 20	4,53	7,69	20,02	4,78	6,80
Lp+IL-2 21	2,55	4,89	19,57	5,47	8,78
Lp+IL-2 22	5,50	4,15	14,00	6,33	7,12
Lp+IL-2 23	2,33	3,19	18,08	4,43	9,80
Lp+IL-2 24	3,27	4,84	20,00	7,23	10,53
Lp+IL-2 25	4,83	5,70	19,00	36,51	35,78

DrawArray parameters

when ≤	color
excluded	
5	
10	
20	
25	
30	
50	
100	

FIGURE 28 (continuing)

10/519950

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remarks
1	DF CC/281 AC by EF Delta1	Data.1	1	CTR01	
2	DF CC/281 AC by EF Delta1	Data.2	1	CTR02	
3	DF CC/281 AC by EF Delta1	Data.3	1	CTR03	
4	DF CC/281 AC by EF Delta1	Data.4	1	CTR04	
5	DF CC/281 AC by EF Delta1	Data.5	1	CTR05	
6	DF CC/281 AC by EF Delta1	Data.6	2	LACKC06	
7	DF CC/281 AC by EF Delta1	Data.7	2	LACKC07	
8	DF CC/281 AC by EF Delta1	Data.8	2	LACKC08	
9	DF CC/281 AC by EF Delta1	Data.9	2	LACKC09	
10	DF CC/281 AC by EF Delta1	Data.10	2	LACKC10	
11	DF CC/281 AC by EF Delta1	Data.11	3	LACKp11	
12	DF CC/281 AC by EF Delta1	Data.12	3	LACKp12	
13	DF CC/282 AC by EF Delta1	Data.1	3	LACKp13	
14	DF CC/282 AC by EF Delta1	Data.2	3	LACKp14	
15	DF CC/282 AC by EF Delta1	Data.3	3	LACKp15	
16	DF CC/282 AC by EF Delta1	Data.4	4	+IL-2 16	
17	DF CC/282 AC by EF Delta1	Data.5	4	+IL-2 17	
18	DF CC/282 AC by EF Delta1	Data.6	4	+IL-2 18	
19	DF CC/282 AC by EF Delta1	Data.7	4	+IL-2 19	
20	DF CC/282 AC by EF Delta1	Data.8	4	+IL-2 20	
21	DF CC/282 AC by EF Delta1	Data.9	5	p+IL-2 21	
22	DF CC/282 AC by EF Delta1	Data.10	5	p+IL-2 22	
23	DF CC/282 AC by EF Delta1	Data.11	5	p+IL-2 23	
24	DF CC/282 AC by EF Delta1	Data.12	5	p+IL-2 24	
25	DF CC/283 AC by EF Delta1	Data.1	5	p+IL-2 25	

DrawArray parameters

when <	color
excluded	
5	
10	
20	
25	
30	
50	
100	

FIGURE 29

28/218

Représentation de la perturbation globale versus l'oligodonalité

G vs O	TCRBV04	TCRBV08.1	G vs O	TCRBV04	TCRBV08.1
CTR02			CTR02	2,65	3,64
CTR03			CTR03	6,28	1,58
CTR04			CTR04	5,00	4,08
L07		excluded	L07	0,43	excluded
L08			L08	1,28	1,15
L09			L09	1,13	0,79
Lp12			Lp12	0,87	3,53
Lp13			Lp13	0,81	2,90
Lp14			Lp14	2,98	2,79
L+IL2-17			L+IL2-17	8,38	3,32
L+IL2-18			L+IL2-18	3,14	3,21
L+IL2-19			L+IL2-19	5,35	3,13
Lp+IL2-22			Lp+IL2-22	9,22	6,56
Lp+IL2-23			Lp+IL2-23	2,44	3,64
Lp+IL2-24			Lp+IL2-24	2,37	5,07

Représentation de la perturbation globale

G	TCRBV04	TCRBV08.1
CTR02		
CTR03		
CTR04		
L07		excluded
L08		
L09		
Lp12		
Lp13		
Lp14		
L+IL2-17		
L+IL2-18		
L+IL2-19		
Lp+IL2-22		
Lp+IL2-23		
Lp+IL2-24		

G	TCRBV04	TCRBV08.1
CTR02	2,65	3,64
CTR03	6,28	1,58
CTR04	5,00	4,08
L07	5,10	excluded
L08	15,13	7,88
L09	13,36	5,43
Lp12	3,45	6,47
Lp13	3,20	5,31
Lp14	11,82	5,12
L+IL2-17	8,57	4,82
L+IL2-18	3,22	4,67
L+IL2-19	5,47	4,55
Lp+IL2-22	24,33	10,36
Lp+IL2-23	6,44	5,75
Lp+IL2-24	6,26	8,01

DrawArray parameters

when < color  
excluded

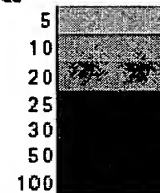


FIGURE 30

29/218

10/519950

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remark
1	EF/06 DF	Data.1	1	CTR02	CTR02
2	EF/06 DF	Data.2	1	CTR03	CTR03
3	EF/06 DF	Data.3	1	CTR04	CTR04
4	EF/06 DF	Data.4	2	L07	Lack 07
5	EF/06 DF	Data.5	2	L08	Lack 08
6	EF/06 DF	Data.6	2	L09	Lack 09
7	EF/06 DF	Data.7	3	Lp12	Lackp12
8	EF/06 DF	Data.8	3	Lp13	Lackp13
9	EF/06 DF	Data.9	3	Lp14	Lackp14
10	EF/06 DF	Data.10	4	L+IL2-17	Lack+IL2-17
11	EF/06 DF	Data.11	4	L+IL2-18	Lack+IL2-18
12	EF/06 DF	Data.12	4	L+IL2-19	Lack+IL2-19
13	EF/06 DF	Data.13	5	Lp+IL2-22	Lackp+IL2-22
14	EF/06 DF	Data.14	5	Lp+IL2-23	Lackp+IL2-23
15	EF/06 DF	Data.15	5	Lp+IL2-24	Lackp+IL2-24

DrawArray parameters

when < color  
excluded

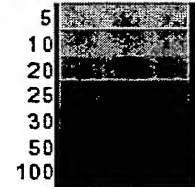
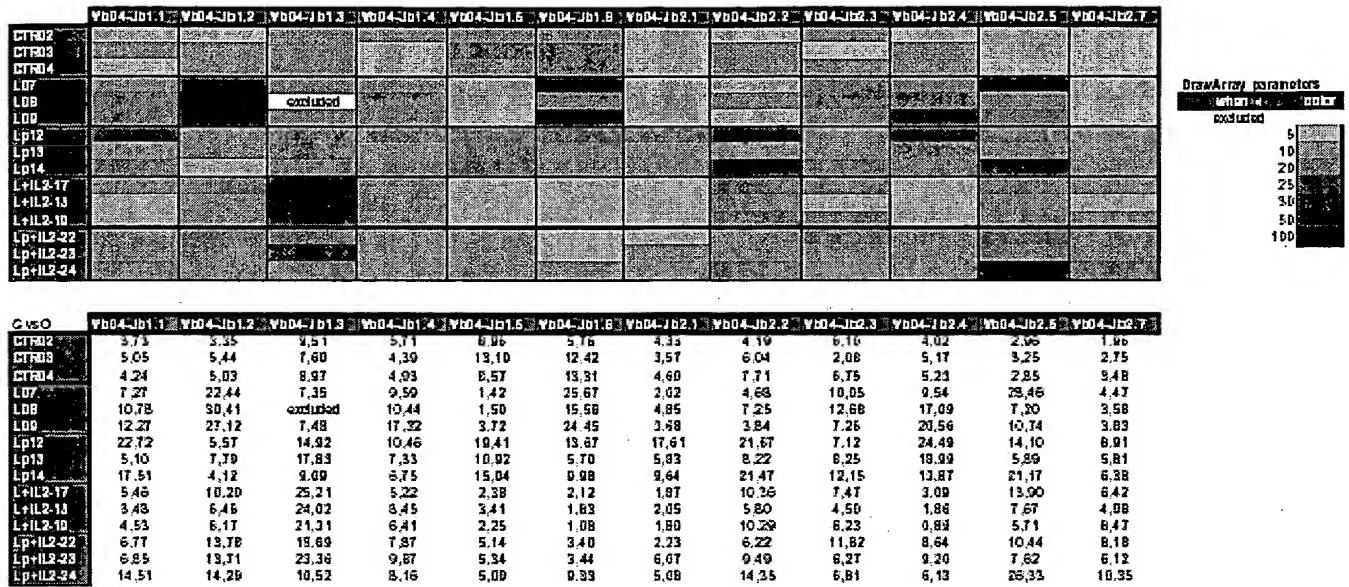


FIGURE 31

10/519950

30/218

Représentation de la perturbation globale vers l'oligomérisation



Représentation de la perturbation globale

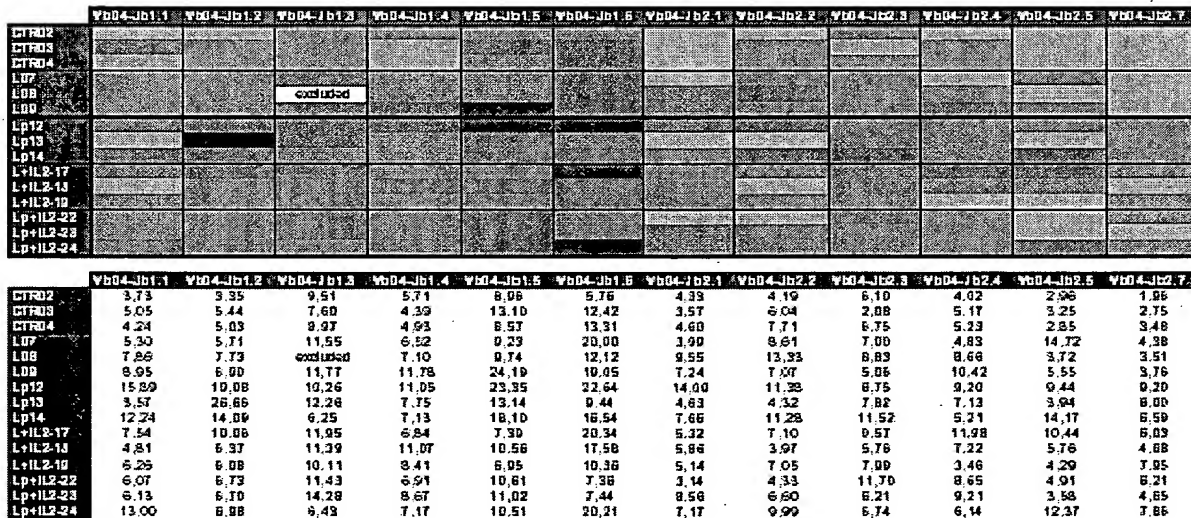


FIGURE 32

10/519950

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remark
1	EF/04 DF	Data.1	1	CTR02	CTR02
2	EF/05-07-009b DF	Data.3	1	CTR03	CTR03
3	EF/01-009b DF	Data.1	1	CTR04	CTR04
4	EF/02-07 DF	Data.1	2	L07	Lack 07
5	EF/04 DF	Data.5	2	L08	Lack 08
6	EF/05-07-009b DF	Data.5	2	L09	Lack 09
7	EF/04 DF	Data.3	3	Lp12	Lackp12
8	EF/05-07-009b DF	Data.1	3	Lp13	Lackp13
9	EF/01-009b DF	Data.5	3	Lp14	Lackp14
10	EF/03 DF	Data.1	4	L+IL2-17	Lack+IL2-17
11	EF/03 DF	Data.5	4	L+IL2-18	Lack+IL2-18
12	EF/02-07 DF	Data.3	4	L+IL2-19	Lack+IL2-19
13	EF/01-009b DF	Data.3	5	Lp+IL2-22	Lackp+IL2-22
14	EF/02-07 DF	Data.5	5	Lp+IL2-23	Lackp+IL2-23
15	EF/03 DF	Data.3	5	Lp+IL2-24	Lackp+IL2-24

DrawArray parameters

when < color  
excluded

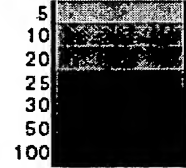


FIGURE 33

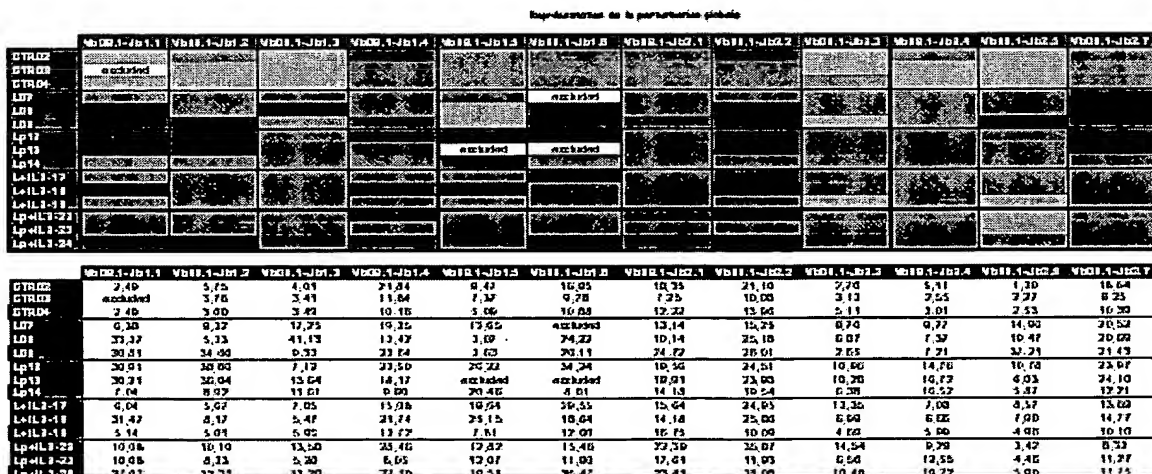
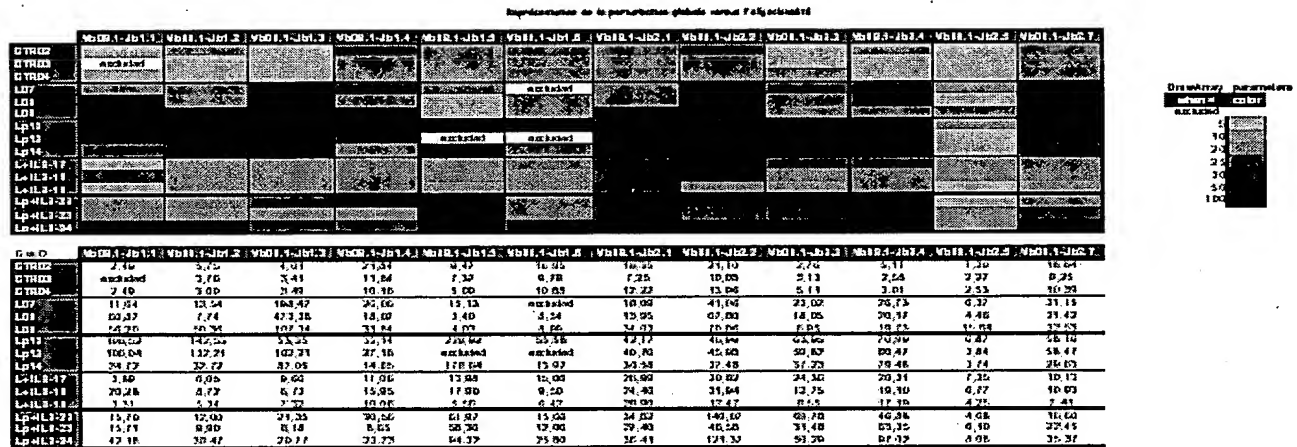


FIGURE 34

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remark
1	EF/04 DF	Data.2	1	CTR02	CTR02
2	EF/05-07-009b DF	Data.4	1	CTR03	CTR03
3	EF/01-009b DF	Data.2	1	CTR04	CTR04
4	EF/02-07 DF	Data.2	2	L07	Lack 07
5	EF/04 DF	Data.6	2	L08	Lack 08
6	EF/05-07-009b DF	Data.6	2	L09	Lack 09
7	EF/04 DF	Data.4	3	Lp12	Lackp12
8	EF/05-07-009b DF	Data.2	3	Lp13	Lackp13
9	EF/01-009b DF	Data.6	3	Lp14	Lackp14
10	EF/03 DF	Data.2	4	L+IL2-17	Lack+IL2-17
11	EF/03 DF	Data.6	4	L+IL2-18	Lack+IL2-18
12	EF/02-07 DF	Data.4	4	L+IL2-19	Lack+IL2-19
13	EF/01-009b DF	Data.4	5	Lp+IL2-22	Lackp+IL2-22
14	EF/02-07 DF	Data.6	5	Lp+IL2-23	Lackp+IL2-23
15	EF/03 DF	Data.4	5	Lp+IL2-24	Lackp+IL2-24

DrawArray parameters

when <	color
excluded	
5	
10	
20	
25	
30	
50	
100	

FIGURE 35

Parameters of file to use					
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/013	Data.3	1	RJOa	1
2	DF BB/013	Data.1	1	RJO b	2
3	DF BB/013	Data.2	1	RJO c	3
4	DF BB/014	Data.1	1	RJO d	4
5	DF BB/017	Data.1	1	RJO e	5
6	DF BB/017	Data.2	1	RJO f	6
7	DF BB/005	Data.1	2	R7sa	7
8	DF BB/005	Data.2	2	R7sb	8
9	DF BB/005	Data.3	2	R7sc	9
10	DF BB/006	Data.2	2	R7sd	10
11	DF BB/006	Data.2	2	R7se	11
12	DF BB/006	Data.3	2	R7sf	12
13	DF BB/023	Data.1	3	R20sa	13
14	DF BB/023	Data.2	3	R20sb	14
15	DF BB/023	Data.3	3	R20sc	15
16	DF BB/024	Data.1	3	R20sd	16
17	DF BB/024	Data.2	3	R20se	17
18	DF BB/024	Data.3	3	R20sf	18
19	DF BB/031	Data.1	4	R27sa	19
20	DF BB/031	Data.2	4	R27sb	20
21	DF BB/031	Data.3	4	R27sc	21
22	DF BB/032	Data.1	4	R27sd	22
23	DF BB/032	Data.2	4	R27se	23
24	DF BB/032	Data.3	4	R27sf	24

FIGURE 36

10/51995U

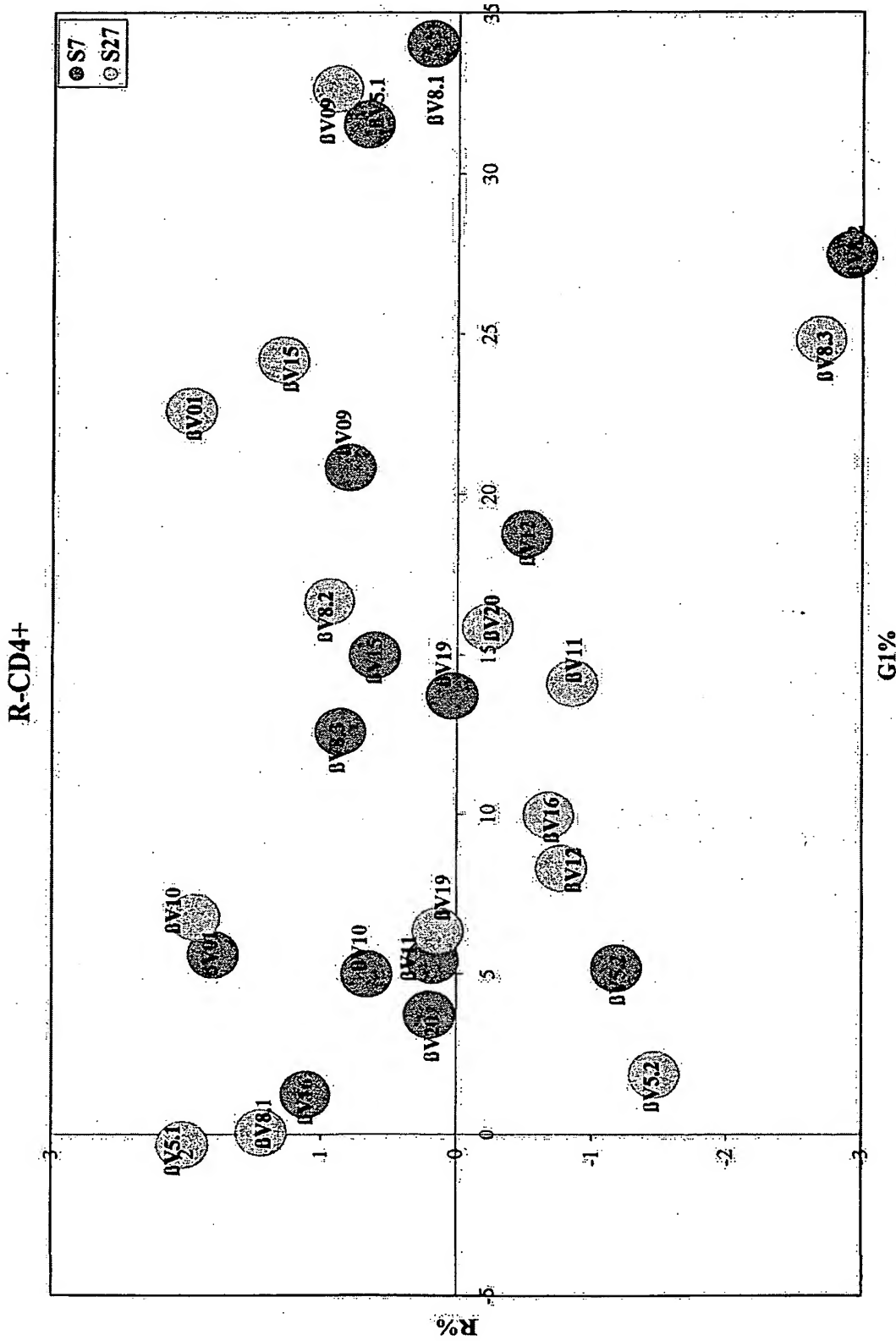


FIGURE 37

TCRBV09_3	TCRBV09	TCRBV10	TCRBV11	TCRBV12	TCRBV13	TCRBV14	TCRBV15	TCRBV16	TCRBV18	TCRBV19	TCRBV20
	 excluded							 excluded			

**FIGURE 38**

10/519950

Score d'Oligoclonalité $\beta V$ : PWK/Rate-CD4 <sup>+</sup>	
7 semaines post-infection	27 semaines post-infection
$\beta V01$ (9-10-11 aa)	$\beta V5.2$ (9 aa)
$\beta V09$ (10-11 aa)	$\beta V8.3$ (8-9-10 aa)
$\beta V16$ (10 aa)	$\beta V09$ (7-9-10-12-13 aa)
$\beta V19$ (12 aa)	$\beta V10$ (9 aa)
	$\beta V11$ (9-10-11 aa)

FIGURE 39

Score d'Oligoclonalité $\beta V$ : PWK/GG-CD4 <sup>+</sup>	
7 semaines post-infection	27 semaines post-infection
$\beta V01$ (9-10-11 aa)	$\beta V5.2$ (8-9 aa)
$\beta V03$ (10 aa)	$\beta V10$ (9 aa)
$\beta V8.1$ (10 aa)	$\beta V14$ (10 aa)
$\beta V8.2$ (9-10-11 aa)	$\beta V15$ (9-10-11 aa)
$\beta V09$ (9-10-11 aa)	
$\beta V16$ (10 aa)	
$\beta V19$ (10-12 aa)	

FIGURE 44

Score d'Oligoclonalité $\beta V$ : PWK/GG-CD8 <sup>+</sup>	
7 semaines post-infection	27 semaines post-infection
$\beta V12$ (9-10 aa)	$\beta V03$ (10 aa)
$\beta V15$ (8-9 aa)	$\beta V04$ (11 aa)

FIGURE 49

Score d'Oligoclonalité $\beta V$ : PWK/Rate-CD8 <sup>+</sup>	
7 semaines post-infection	27 semaines post-infection
$\beta V01$ (10-11-12 aa)	$\beta V03$ (10 aa)
	$\beta V13$ (11 aa)

FIGURE 54

[illegible]

**FIGURE 40**

Parameters of file to use		DA.PWK/GG-CD4+			
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/009	Data.2	1	GGJ0b	1
2	DF BB/009	Data.3	1	GGJ0c	2
3	DF BB/009	Data.1	1	GGJ0a	3
4	DF BB/010	Data.1	1	GGJ0d	4
5	DF BB/010	Data.2	1	GGJ0e	5
6	DF BB/010	Data.3	1	GGJ0f	6
7	DF BB/002	Data.1	2	GG7sa	7
8	DF BB/002	Data.2	2	GG7sb	8
9	DF BB/002	Data.3	2	GG7sc	9
10	DF BB/003	Data.1	2	GG7sd	10
11	DF BB/003	Data.2	2	GG7se	11
12	DF BB/007	Data.3	2	GG7sf	12
13	DF BB/019	Data.1	3	GG20sa	13
14	DF BB/019	Data.2	3	GG20sb	14
15	DF BB/019	Data.3	3	GG20sc	15
16	DF BB/020	Data.1	3	GG20sd	16
17	DF BB/020	Data.2	3	GG20se	17
18	DF BB/020	Data.3	3	GG20sf	18
19	DF BB/027	Data.1	4	GG27sa	19
20	DF BB/027	Data.2	4	GG27sb	20
21	DF BB/027	Data.3	4	GG27sc	21
22	DF BB/028	Data.1	4	GG27sd	22
23	DF BB/028	Data.2	4	GG27se	23
24	DF BB/028	Data.3	4	GG27sf	24

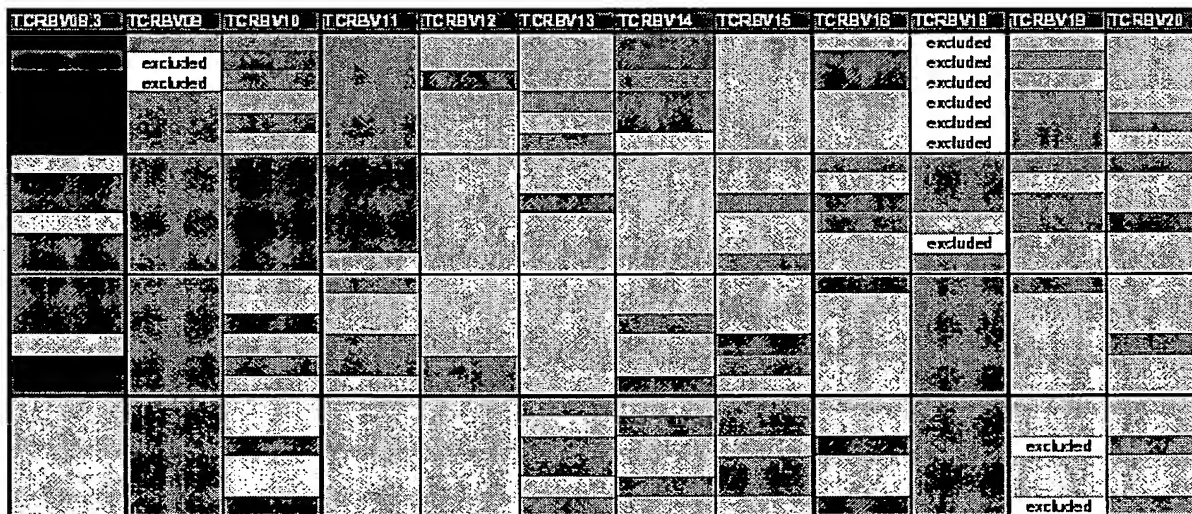
FIGURE 41

Scatter plot showing the relationship between  $R\%$  (Y-axis) and  $G1\%$  (X-axis) for  $GG-CD4^+$  cells. The plot displays two distinct clusters of cells, one at low  $G1\%$  (left) and one at high  $G1\%$  (right). The legend indicates two series: S7 (solid circles) and S27 (open circles).

Cell Label	$G1\%$ (X-axis)	$R\%$ (Y-axis)	Series
BV09	~14	~1	S27
BV19	~14	~-1	S27
BV03	~14	~-2	S27
BV10	~14	~-3	S27
BV82	~15	~2	S27
BV52	~15	~1	S27
BV1	~15	~0	S27
BV81	~16	~1	S27
BV16	~16	~-1	S27
BV15	~16	~-2	S27
BV14	~16	~-3	S27
BV12	~16	~-4	S27
BV8.3	~16	~-15	S27
BV05	~14	~-12	S27
BV16	~20	~0	S27
BV1	~25	~1	S27
BV01	~25	~2	S27
BV8.1	~30	~1	S27
BV2	~30	~-1	S27
BV06	~35	~1	S27
BV08	~35	~-1	S27
BV07	~35	~-2	S27
BV17	~35	~-3	S27
BV18	~35	~-4	S27
BV13	~35	~-5	S27
BV04	~35	~-6	S27
BV02	~35	~-7	S27
BV08	~35	~-8	S27
BV09	~35	~-9	S27
BV10	~35	~-10	S27
BV11	~35	~-11	S27
BV12	~35	~-12	S27
BV13	~35	~-13	S27
BV14	~35	~-14	S27
BV15	~35	~-15	S27
BV16	~35	~-16	S27
BV17	~35	~-17	S27
BV18	~35	~-18	S27
BV19	~35	~-19	S27
BV20	~35	~-20	S27
BV21	~35	~-21	S27
BV22	~35	~-22	S27
BV23	~35	~-23	S27
BV24	~35	~-24	S27
BV25	~35	~-25	S27
BV26	~35	~-26	S27
BV27	~35	~-27	S27
BV28	~35	~-28	S27
BV29	~35	~-29	S27
BV30	~35	~-30	S27
BV31	~35	~-31	S27
BV32	~35	~-32	S27
BV33	~35	~-33	S27
BV34	~35	~-34	S27
BV35	~35	~-35	S27
BV36	~35	~-36	S27
BV37	~35	~-37	S27
BV38	~35	~-38	S27
BV39	~35	~-39	S27
BV40	~35	~-40	S27
BV41	~35	~-41	S27
BV42	~35	~-42	S27
BV43	~35	~-43	S27
BV44	~35	~-44	S27
BV45	~35	~-45	S27
BV46	~35	~-46	S27
BV47	~35	~-47	S27
BV48	~35	~-48	S27
BV49	~35	~-49	S27
BV50	~35	~-50	S27
BV51	~35	~-51	S27
BV52	~35	~-52	S27
BV53	~35	~-53	S27
BV54	~35	~-54	S27
BV55	~35	~-55	S27
BV56	~35	~-56	S27
BV57	~35	~-57	S27
BV58	~35	~-58	S27
BV59	~35	~-59	S27
BV60	~35	~-60	S27
BV61	~35	~-61	S27
BV62	~35	~-62	S27
BV63	~35	~-63	S27
BV64	~35	~-64	S27
BV65	~35	~-65	S27
BV66	~35	~-66	S27
BV67	~35	~-67	S27
BV68	~35	~-68	S27
BV69	~35	~-69	S27
BV70	~35	~-70	S27
BV71	~35	~-71	S27
BV72	~35	~-72	S27
BV73	~35		

**FIGURE 42**





**FIGURE 45**

Parameters of file to use		DA PWK/GG-CD8+			
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/001	Data.2	2	GG7sb	7
2	DF BB/001	Data.1	2	GG7sa	8
3	DF BB/001	Data.3	2	GG7sc	9
4	DF BB/004	Data.1	2	GG7sd	10
5	DF BB/004	Data.2	2	GG7se	11
6	DF BB/004	Data.3	2	GG7sf	12
7	DF BB/011	Data.1	1	GGJOa	1
8	DF BB/011	Data.2	1	GGJOb	2
9	DF BB/011	Data.3	1	GGJOc	3
10	DF BB/012	Data.1	1	GGJOd	4
11	DF BB/012	Data.2	1	GGJOe	5
12	DF BB/012	Data.3	1	GGJO f	6
13	DF BB/021	Data.1	3	GG20sa	13
14	DF BB/021	Data.2	3	GG20sb	14
15	DF BB/021	Data.3	3	GG20sc	15
16	DF BB/022	Data.1	3	GG20sd	16
17	DF BB/022	Data.2	3	GG20se	17
18	DF BB/022	Data.3	3	GG20sf	18
19	DF BB/029	Data.1	4	GG27sa	19
20	DF BB/029	Data.2	4	GG27sb	20
21	DF BB/029	Data.3	4	GG27sc	21
22	DF BB/030	Data.1	4	GG27sd	22
23	DF BB/030	Data.2	4	GG27se	23
24	DF BB/030	Data.3	4	GG27sf	24

FIGURE 46

42/218

10/519950

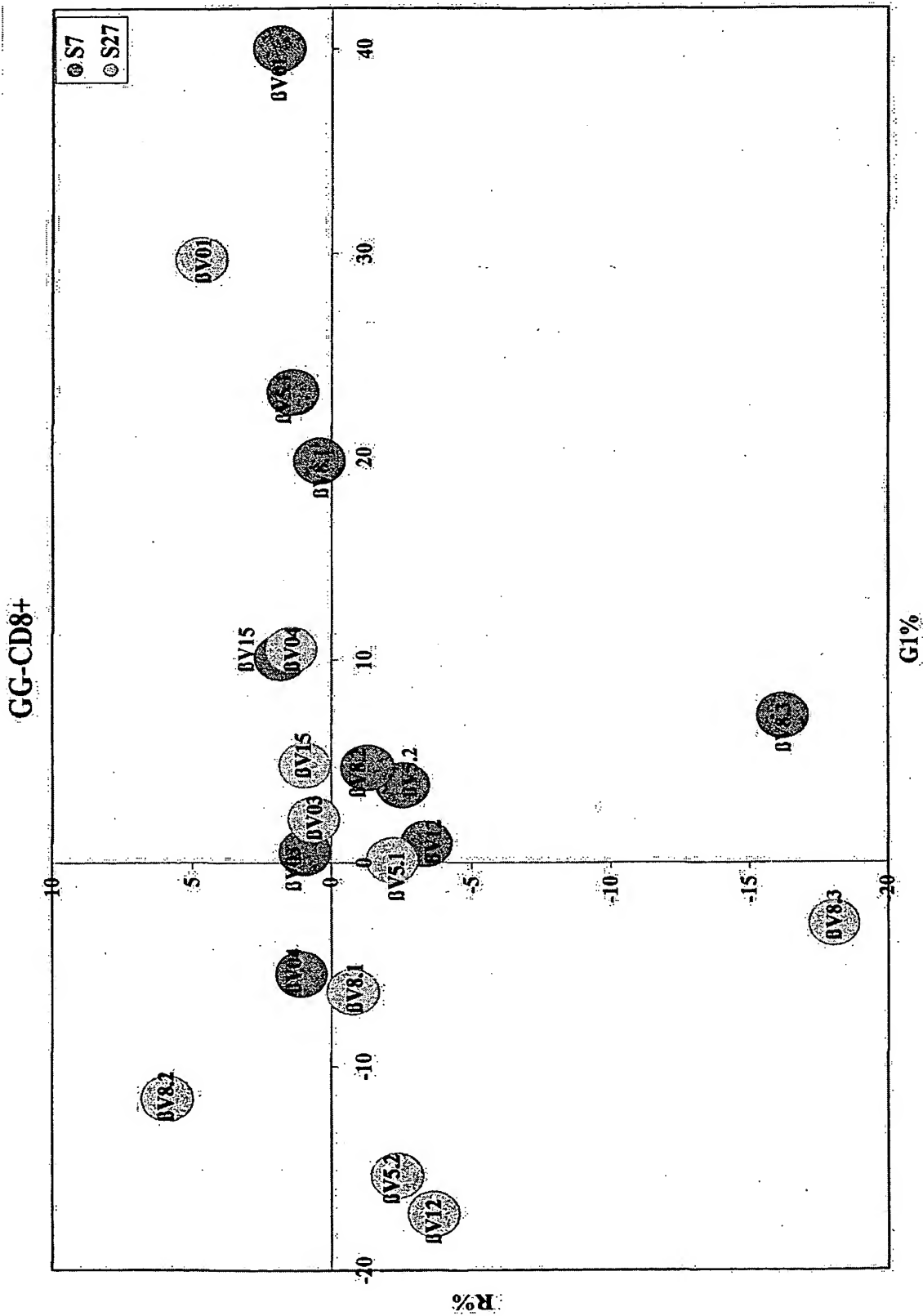
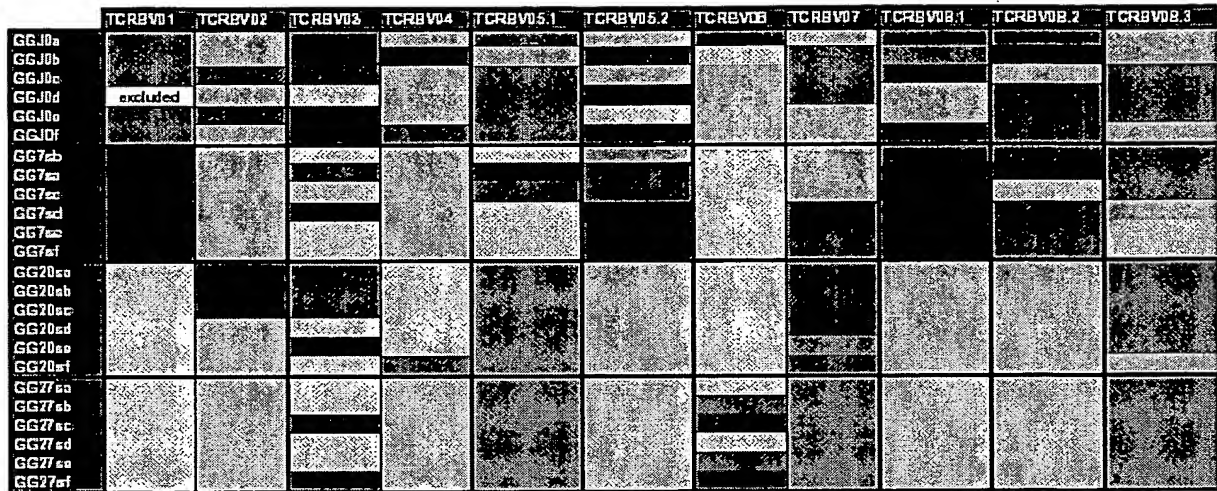


FIGURE 47

43/218



### DrawArmy parameters

when $\leq$ excluded	color
-------------------------	-------

9

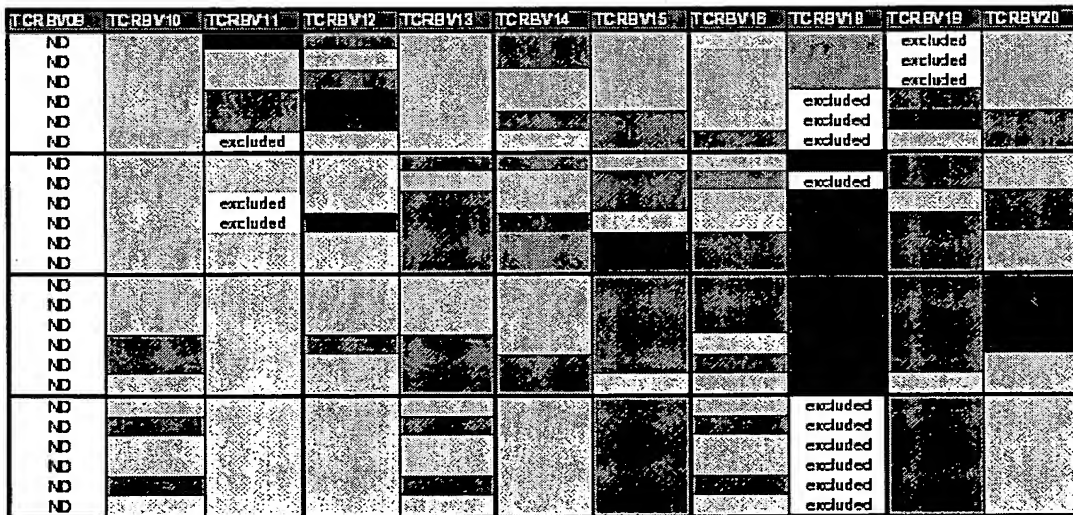
17

• 26

95

43  
5252  
61

51



### DrawArray parameters

when < excluded	color
--------------------	-------

2

9

17

26

35

43

52

61

**FIGURE 48**



90/519950

45/218

Parameters of file to use		DA PWK/R-CD8+			
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/017	Data.3	1	RJOa	1
2	DF BB/018	Data.1	1	RJOb	2
3	DF BB/015	Data.3	1	RJOc	3
4	DF BB/016	Data.1	1	RJOd	4
5	DF BB/016	Data.2	1	RJOe	5
6	DF BB/016	Data.3	1	RJO f	6
7	DF BB/007	Data.1	2	R7sa	7
8	DF BB/007	Data.2	2	R7sb	8
9	DF BB/008	Data.1	2	R7sc	9
10	DF BB/008	Data.2	2	R7sd	10
11	DF BB/008	Data.3	2	R7se	11
12	DF BB/018	Data.2	2	R7sf	12
13	DF BB/025	Data.1	3	R20sa	13
14	DF BB/025	Data.2	3	R20sb	14
15	DF BB/025	Data.3	3	R20sc	15
16	DF BB/026	Data.1	3	R20sd	16
17	DF BB/026	Data.2	3	R20se	17
18	DF BB/026	Data.3	3	R20sf	18
19	DF BB/033	Data.1	4	R27sa	19
20	DF BB/033	Data.2	4	R27sb	20
21	DF BB/033	Data.3	4	R27sc	21
22	DF BB/034	Data.1	4	R27sd	22
23	DF BB/034	Data.2	4	R27se	23
24	DF BB/034	Data.3	4	R27sf	24

FIGURE 51

10/519950

46/218

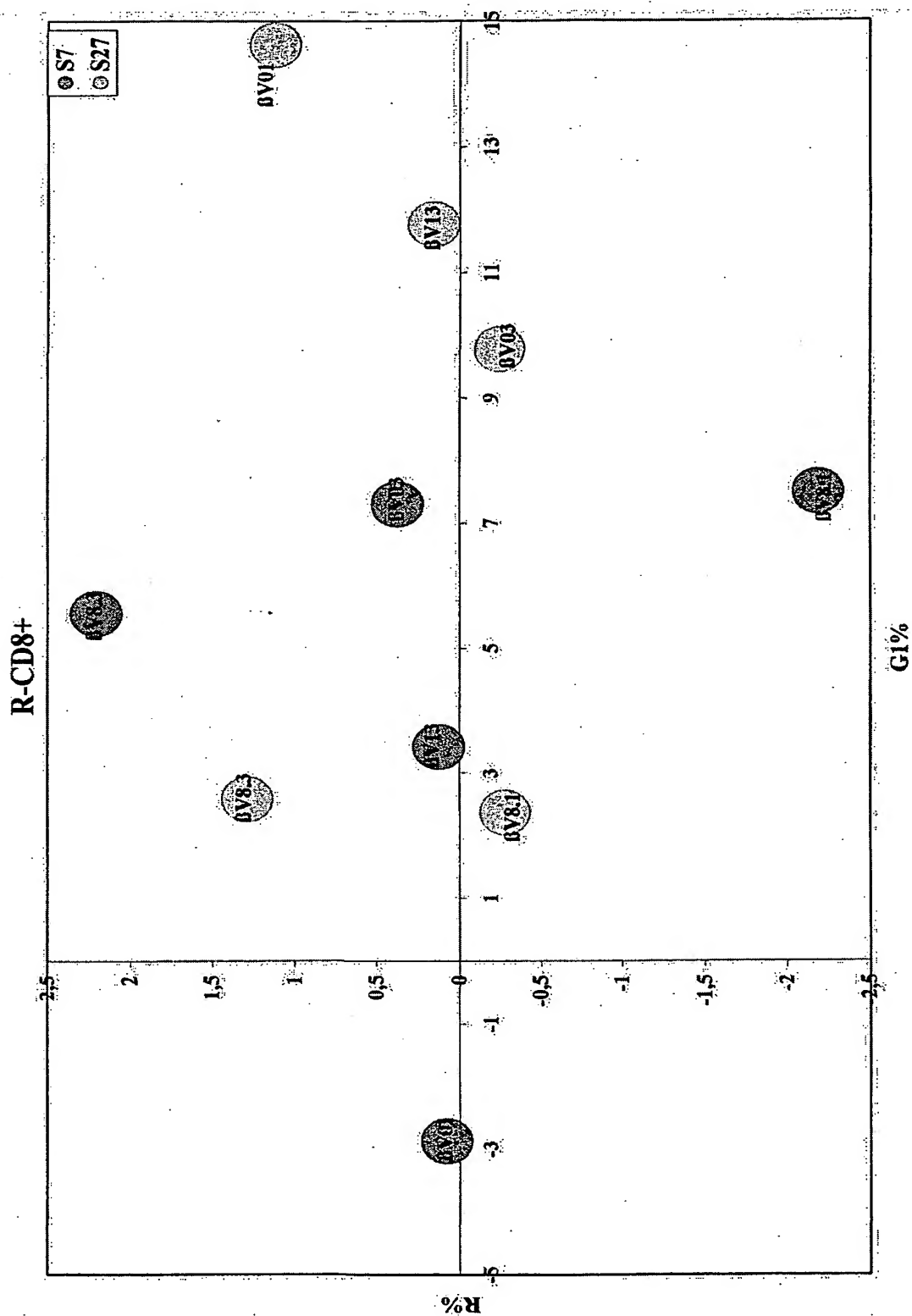
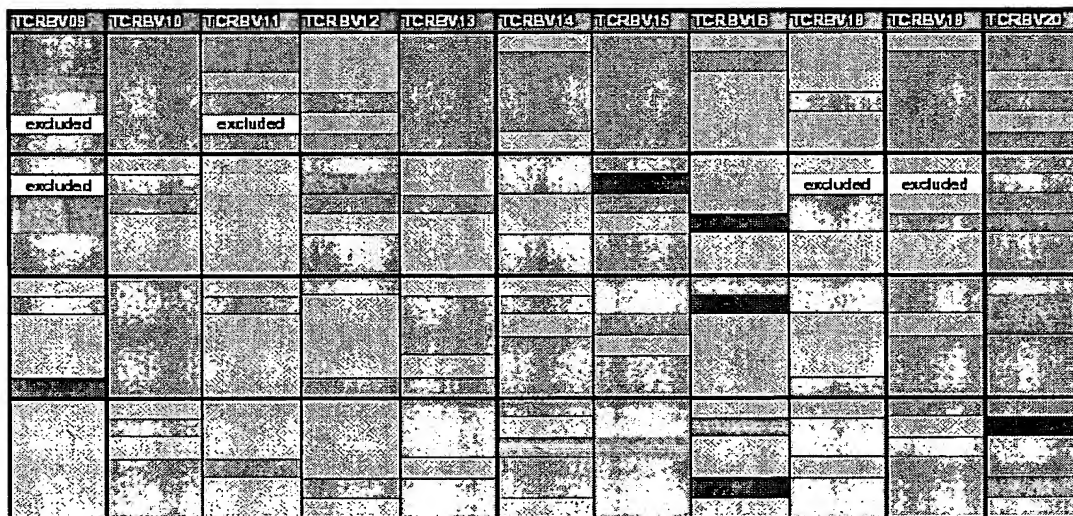


FIGURE 52

[illegible]

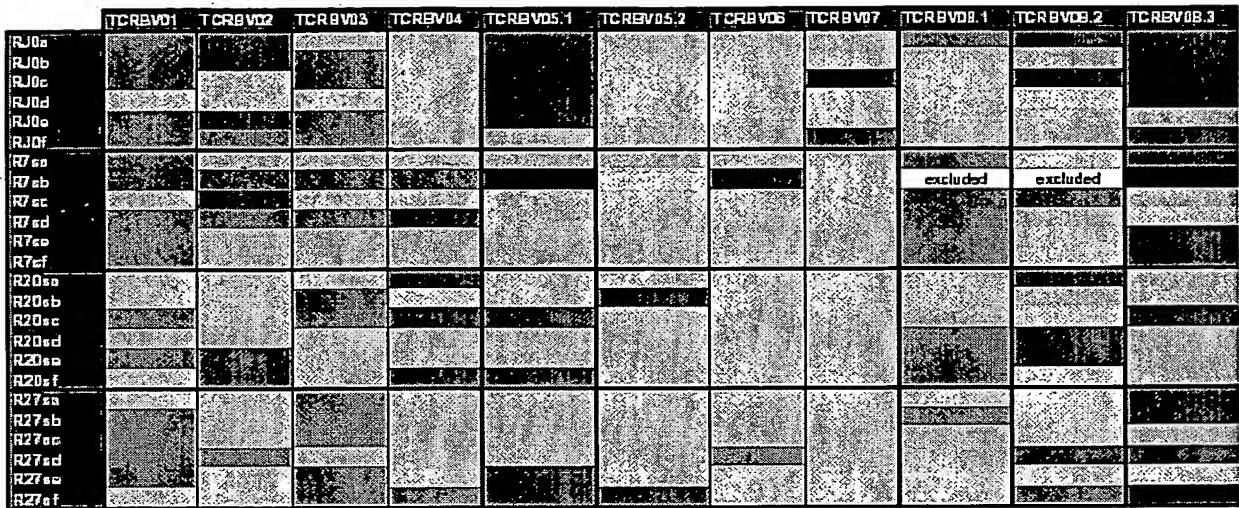
44

38  
44

**FIGURE 53**

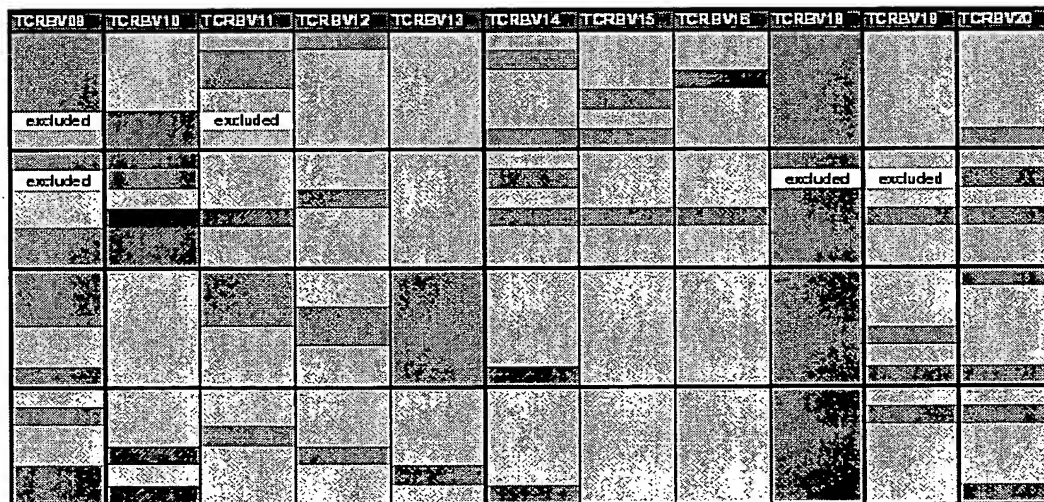
10/519950

48/218



DrawArray parameters

when <	color
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DrawArray parameters

when <	color
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FIGURE 55

10/519950

49/218

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remarks
1	EF/043 DF	Data.2	1	TN01 spleen	
2	EF/022 DF	Data.1	1	TN02 spleen	
3	EF/018 DF	Data.1	1	TN03 spleen	
4	EF/038 DF	Data.3	1	TN04 spleen	
5	EF/039 DF	Data.1	2	J3-01 spleen	
6	EF/016 DF	Data.1	2	J3-02 spleen	
7	EF/034 DF	Data.1	2	J3-03 spleen	
8	EF/046 DF	Data.2	2	J3-04 spleen	
9	EF/023 DF	Data.2	2	J3-05 spleen	
10	EF/029 DF	Data.3	3	J4-01 spleen	
11	EF/026 DF	Data.1	3	J4-02 spleen	
12	EF/029 DF	Data.1	3	J4-03 spleen	
13	EF/036 DF	Data.2	3	J4-04 spleen	
14	EF/019 DF	Data.2	3	J4-06 spleen	
15	EF/038 DF	Data.1	3	J4-07 spleen	
16	EF/045 DF	Data.1	3	J4-08 spleen	
17	EF/042 DF	Data.3	3	J4-09 spleen	
18	EF/042 DF	Data.1	3	J4-10 spleen	
19	EF/016 DF	Data.3	4	J5-01 spleen	
20	EF/026 DF	Data.3	4	J5-02 spleen	
21	EF/031 DF	Data.1	4	J5-03 spleen	
22	EF/021 DF	Data.1	4	J5-04 spleen	
23	EF/021 DF	Data.3	4	J5-05 spleen	
24	EF/028 DF	Data.2	4	J5-06 spleen	
25	EF/043 DF	Data.3	4	J5-07 spleen	
26	EF/041 DF	Data.2	4	J5-08 spleen	
27	EF/012 DF	Data.3	4	J5-09 spleen	
28	EF/046 DF	Data.3	4	J5-10 spleen	
29	EF/024 DF	Data.1	5	J6-01 spleen	
30	EF/017 DF	Data.1	5	J6-02 spleen	
31	EF/025 DF	Data.1	5	J6-03 spleen	
32	EF/040 DF	Data.1	5	J6-04 spleen	
33	EF/014 DF	Data.2	5	J6-05 spleen	
34	EF/020 DF	Data.1	5	J6-06 spleen	
35	EF/033 DF	Data.1	5	J6-07 spleen	
36	EF/030 DF	Data.1	5	J6-08 spleen	
37	EF/013 DF	Data.2	5	J6-09 spleen	
38	EF/027 DF	Data.1	5	J6-10 spleen	
39	EF/031 DF	Data.3	6	TSP01 CM+spleen	
40	EF/032 DF	Data.1	6	TSP06 CM+spleen	
41	EF/034 DF	Data.3	6	TSP09 CM+spleen	
42	EF/010 DF	Data.2	6	TSP10 CM+++ spleen	
43	EF/044 DF	Data.1	6	TSP18 CM+++ spleen	
44	EF/037 DF	Data.1	6	TSP19 CM+++ spleen	
45	EF/011 DF	Data.2	6	TSP20 CM+++ spleen	

FIGURE 56

46	EF/022 DF	Data.2	7	TN02 PBL
47	EF/018 DF	Data.2	7	TN03 PBL
48	EF/039 DF	Data.2	8	J3-01 PBL
49	EF/016 DF	Data.2	8	J3-02 PBL
50	EF/034 DF	Data.2	8	J3-03 PBL
51	EF/039 DF	Data.3	8	J3-04 PBL
52	EF/023 DF	Data.3	8	J3-05 PBL
53	EF/031 DF	Data.2	9	J4-01 PBL
54	EF/026 DF	Data.2	9	J4-02 PBL
55	EF/029 DF	Data.2	9	J4-03 PBL
56	EF/036 DF	Data.3	9	J4-04 PBL
57	EF/012 DF	Data.1	9	J4-05 PBL
58	EF/019 DF	Data.3	9	J4-06 PBL
59	EF/038 DF	Data.2	9	J4-07 PBL
60	EF/045 DF	Data.2	9	J4-08 PBL
61	EF/043 DF	Data.1	9	J4-09 PBL
62	EF/042 DF	Data.2	9	J4-10 PBL
63	EF/019 DF	Data.1	10	J5-01 PBL
64	EF/028 DF	Data.1	10	J5-02 PBL
65	EF/035 DF	Data.1	10	J5-03 PBL
66	EF/021 DF	Data.2	10	J5-04 PBL
67	EF/023 DF	Data.1	10	J5-05 PBL
68	EF/028 DF	Data.3	10	J5-06 PBL
69	EF/041 DF	Data.3	10	J5-08 PBL
70	EF/012 DF	Data.2	10	J5-09 PBL
71	EF/041 DF	Data.1	10	J5-10 PBL
72	EF/024 DF	Data.2	11	J6-01 PBL
73	EF/017 DF	Data.2	11	J6-02 PBL
74	EF/025 DF	Data.2	11	J6-03 PBL
75	EF/040 DF	Data.2	11	J6-04 PBL
76	EF/014 DF	Data.1	11	J6-05 PBL
77	EF/020 DF	Data.2	11	J6-06 PBL
78	EF/033 DF	Data.2	11	J6-07 PBL
79	EF/030 DF	Data.2	11	J6-08 PBL
80	EF/013 DF	Data.1	11	J6-09 PBL
81	EF/027 DF	Data.2	11	J6-10 PBL
82	EF/032 DF	Data.2	12	TSP06 CM+PBL
83	EF/035 DF	Data.3	12	TSP09 CM+PBL
84	EF/010 DF	Data.1	12	TSP10 CM+++ PBL
85	EF/044 DF	Data.2	12	TSP18 CM+++ PBL
86	EF/037 DF	Data.2	12	TSP19 CM+++ PBL
87	EF/011 DF	Data.1	12	TSP20 CM+++ PBL

FIGURE 56(continuing)

[illegible]**FIGURE 57**

						excluded			
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					excluded				
	excluded			excluded	excluded				
			excluded		excluded	excluded			
		excluded							
					excluded				
	excluded	excluded	excluded	excluded	excluded	excluded	excluded	excluded	
		excluded						excluded	
						excluded			

**FIGURE 57(continuing)**

### Plasmodium berghei infection of B10D2 mice

Gerochov normalized  
by oligoscore

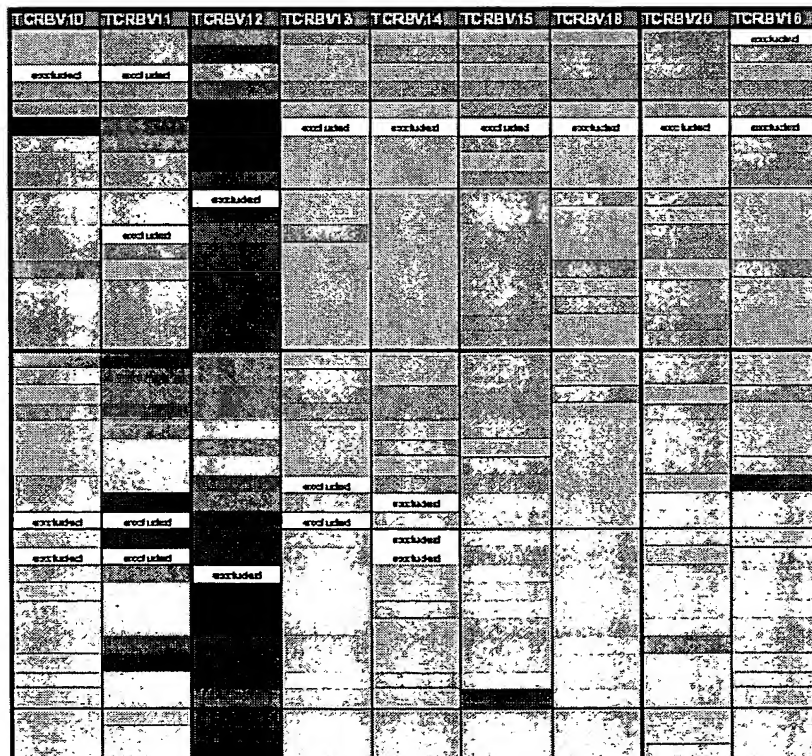
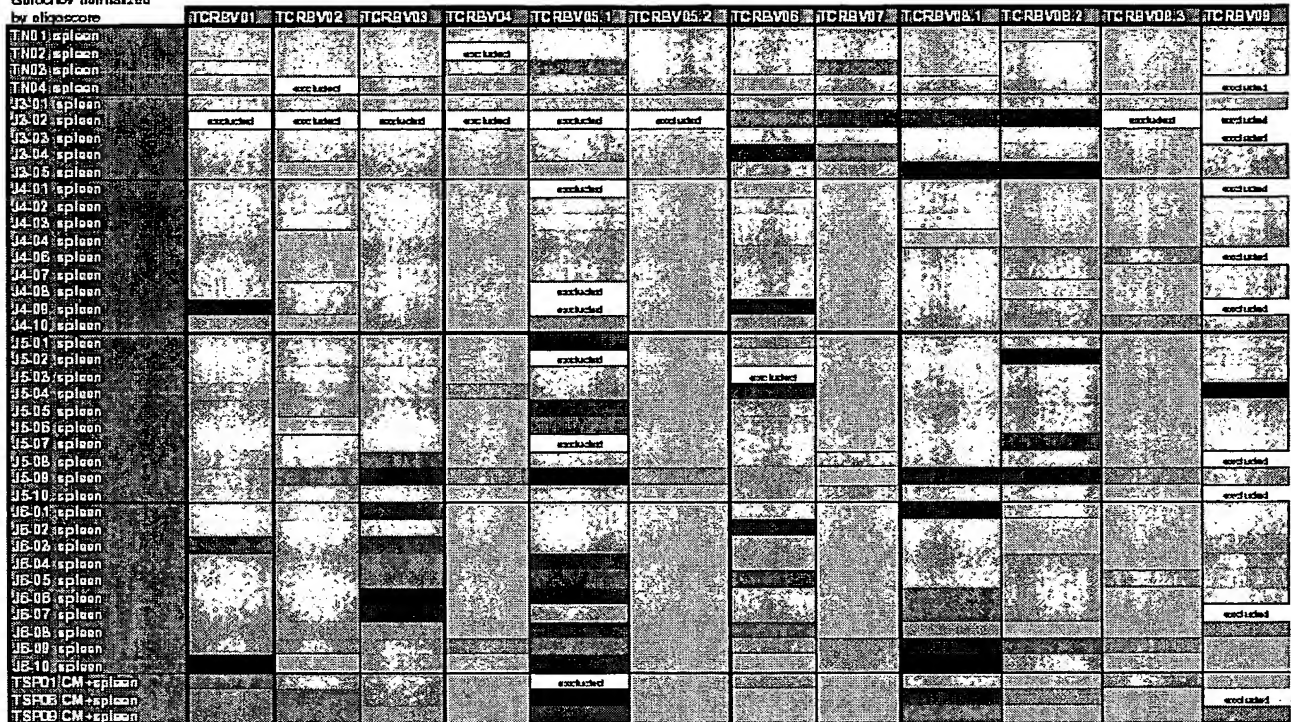


FIGURE 58

[illegible][illegible]**FIGURE 58 (continuing)**

55/218

10/519950

Tableau ANOVA pour TCRBV01

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	487,099	44,282	,963	,4876	10,593	,481
Résidu	70	3218,716	45,982				

Tableau de moyennes pour TCRBV01

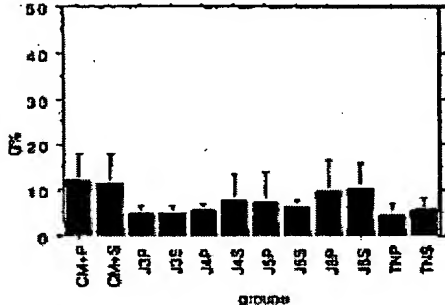
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	12,856	8,248	2,794
CM+S	7	11,770	8,471	3,202
J3P	5	5,210	1,421	,838
J3S	4	5,197	1,317	,658
J4P	8	5,749	2,068	,889
J4S	9	8,000	8,378	2,793
J5P	9	7,802	8,117	3,039
J5S	10	6,450	1,743	,551
J6P	8	10,107	9,711	3,433
J6S	10	10,615	8,486	2,583
TNP	2	4,928	1,360	,861
TNS	4	5,823	2,616	1,308

Graphique des interactions pour TCRBV01

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV01

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. cm.	Valeur p
CM+P, CM+S	,885	7,918	,8242
CM+P, J3P	7,446	8,553	,0870
CM+P, J3S	7,458	9,072	,1058
CM+P, J4P	6,906	7,543	,0721
CM+P, J4S	4,855	7,543	,2225
CM+P, J5P	4,852	7,543	,2037
CM+P, J5S	8,205	7,408	,0893
CM+P, J6P	2,648	7,710	,5120
CM+P, J6S	2,040	7,408	,5848
CM+P, TNP	7,727	11,315	,1776
CM+P, TNS	6,632	9,072	,1376
CM+S, J3P	6,560	7,918	,1030
CM+S, J3S	8,573	8,477	,1266
CM+S, J4P	6,021	8,818	,0826
CM+S, J4S	3,770	8,818	,2738
CM+S, J5P	3,967	8,818	,2498
CM+S, J5S	5,320	8,666	,1159
CM+S, J6P	1,862	8,469	,8372
CM+S, J6S	1,155	8,665	,7308
CM+S, TNP	6,842	10,844	,2124
CM+S, TNS	8,947	8,477	,1862
J3P, J3S	,013	9,072	,9877
J3P, J4P	-,639	7,543	,8870
J3P, J4S	-,796	7,543	,4632
J3P, J5P	-,583	7,543	,4953
J3P, J5S	-,240	7,408	,7395
J3P, J6P	-,897	7,710	,3094
J3P, J6S	-,405	7,408	,5500
J3P, TNP	,282	11,315	,9505
J3P, TNS	-,813	9,072	,8932
J3S, J4P	-,552	8,127	,8828
J3S, J4S	-,203	8,127	,4938
J3S, J5P	-,205	8,127	,5247
J3S, J5S	-,253	8,001	,7557
J3S, J6P	-,910	8,282	,2410
J3S, J6S	-,418	8,001	,1812
J3S, TNP	,269	11,712	,9836
J3S, TNS	-,826	9,563	,8985
J4P, J4S	-,251	6,376	,4837
J4P, J5P	-,053	6,375	,5228
J4P, J5S	-,701	6,214	,8227
J4P, J6P	-,358	6,672	,1802
J4P, J6S	-,866	6,214	,1228
J4P, TNP	,821	10,572	,8773
J4P, TNS	-,074	8,127	,9856
J4S, J5P	,198	6,375	,9809
J4S, J5S	1,550	6,214	,6204
J4S, J6P	-,2107	6,672	,5246
J4S, J6S	-,215	6,214	,4041
J4S, TNP	3,072	10,572	,5641
J4S, TNS	2,177	8,127	,5848
J5P, J5S	1,352	6,214	,8686
J5P, J6P	-,2305	6,572	,4865
J5P, J6S	-,2813	6,214	,3597
J5P, TNP	2,874	10,572	,5894
J5P, TNS	1,980	6,127	,8288
J5S, J6P	-,3557	6,415	,8594
J5S, J6S	-,4188	6,048	,1740
J5S, TNP	1,522	10,478	,7729
J5S, TNS	,827	8,001	,8762
J6P, J6S	-,508	6,415	,5750
J6P, TNP	5,178	10,692	,3373
J6P, TNS	4,284	8,282	,3057
J6S, TNP	5,887	10,476	,2826
J6S, TNS	4,762	8,001	,8363
TNP, TNS	-,895	11,712	,8793

FIGURE 59

Tableau ANOVA pour TCRBV02

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	2669,319	242,665	7,138	<.0001	78,523	1,000
Résidu	72	2447,564	33,994				

Tableau de moyennes pour TCRBV02

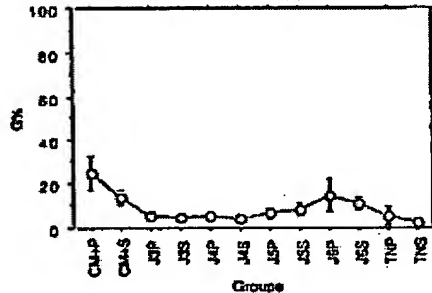
Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	24,950	9,665	3,948
CM+S	7	13,764	4,039	1,667
J3P	5	5,477	,681	,394
J3S	4	4,620	1,670	,835
J4P	9	5,482	3,842	1,281
J4S	9	4,352	2,535	,845
J5P	9	6,616	3,818	1,272
J5S	10	8,401	4,782	1,512
J6P	10	14,921	11,227	3,550
J6S	10	11,333	4,562	1,443
TNP	2	5,715	2,955	2,089
TNS	3	2,883	,461	,266

Courbe des interactions pour TCRBV02

Effet: Groupe

Barres d'erreur:  $\pm 1,65$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV02

Effet: Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	11,186	6,466	,0009	S
CM+P, J3P	19,473	7,038	<.0001	S
CM+P, J3S	20,031	7,502	<.0001	S
CM+P, J4P	19,488	6,126	<.0001	S
CM+P, J4S	20,598	6,126	<.0001	S
CM+P, J5P	18,136	6,126	<.0001	S
CM+P, J5S	16,550	6,002	<.0001	S
CM+P, J6P	10,029	6,002	,0014	S
CM+P, J6S	13,616	6,002	<.0001	S
CM+P, TNP	19,235	6,490	,0001	S
CM+P, TNS	21,087	8,219	<.0001	S
CM+S, J3P	8,287	6,806	,0177	S
CM+S, J3S	6,645	7,265	,0180	S
CM+S, J4P	6,303	5,857	,0061	S
CM+S, J4S	9,412	5,857	,0020	S
CM+S, J5P	6,949	5,857	,0207	S
CM+S, J5S	5,364	5,728	,0450	
CM+S, J6P	-1,157	5,728	,6884	
CM+S, J6S	2,432	5,728	,4002	
CM+S, TNP	8,046	9,319	,0894	
CM+S, TNS	10,801	8,020	,0090	S
J3P, J3S	,558	7,797	,8870	
J3P, J4P	,016	6,483	,9962	
J3P, J4S	1,125	6,483	,7304	
J3P, J5P	-1,398	6,483	,6818	
J3P, J5S	-2,923	6,366	,3630	
J3P, J6P	-8,444	6,366	,0042	S
J3P, J6S	-5,655	6,366	,0709	
J3P, TNP	-2,236	9,724	,9812	
J3P, TNS	2,614	8,488	,5568	
J3S, J4P	,542	6,984	,8775	
J3S, J4S	,567	6,984	,8719	
J3S, J5P	-1,896	6,984	,5900	
J3S, J5S	-3,491	6,875	,3163	
J3S, J6P	-10,002	6,875	,0049	S
J3S, J6S	-8,413	6,875	,0671	
J3S, TNP	-7,798	10,065	,8752	
J3S, TNS	1,956	8,877	,6518	
J4P, J4S	1,109	8,479	,6877	
J4P, J5P	-1,354	8,479	,6237	
J4P, J5S	-2,939	8,340	,2762	
J4P, J6P	-9,480	8,340	,0007	S
J4P, J6S	-5,671	8,340	,0316	S
J4P, TNP	-,254	9,086	,9557	
J4P, TNS	2,498	7,749	,5225	
J4S, J5P	-2,463	8,479	,3731	
J4S, J5S	-4,048	8,340	,1351	
J4S, J6P	-10,589	8,340	,0002	S
J4S, J6S	-8,980	8,340	,0111	S
J4S, TNP	-1,363	8,086	,7858	
J4S, TNS	1,389	7,749	,7218	
J6P, J6S	-1,685	8,340	,5580	
J6P, J6P	-8,106	8,340	,0034	S
J6P, J6S	-4,517	8,340	,0951	
J6P, TNP	1,100	8,086	,6099	
J6P, TNS	3,552	7,749	,3260	
J6S, J6P	-6,521	8,198	,0147	S
J6S, J6S	-2,932	8,198	,2846	
J6S, TNP	2,685	9,003	,5540	
J6S, TNS	5,437	7,651	,1609	
J6P, J6S	3,589	8,198	,1730	
J6P, TNP	8,205	9,003	,0462	S
J6P, TNS	11,928	7,651	,0028	S
J6S, TNP	5,617	9,003	,2176	
J6S, TNS	8,389	7,651	,0325	S
TNP, TNS	2,782	10,610	,0067	

FIGURE 59 (continuing)

10/519950

57/218

Tableau ANOVA pour TCRBV03

Source	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1734,159	157,651	4,890	<.0001	53,795	1,000
Résumé	72	2321,022	32,236				

Tableau de moyennes pour TCRBV03

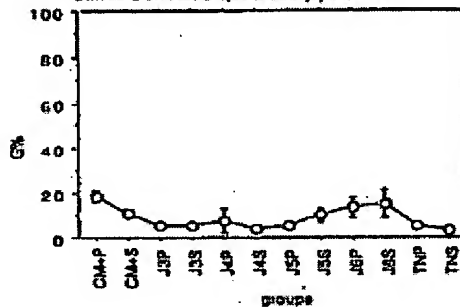
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	18,836	3,623	1,478
CM+S	7	10,820	2,785	1,046
J3P	5	5,331	1,231	,551
J3S	4	5,430	1,850	,825
J4P	10	7,481	8,578	2,839
J4S	9	4,415	,982	,327
J5P	8	5,703	1,245	,440
J5S	10	10,169	5,355	1,893
J6P	9	13,548	6,523	2,174
J6S	10	15,192	9,694	3,066
TNP	2	5,383	1,319	,933
TNS	4	3,344	1,322	,661

Courbe des interactions pour TCRBV03

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV03

Effet : Groupe

Niveau de significativité : 5 %

	Dét. moy.	Dét. erl.	Valeur p	
CM+P, CM+S	8,015	6,267	,0133	S
CM+P, J3P	13,606	6,854	,0002	S
CM+P, J3S	13,408	7,308	,0008	S
CM+P, J4P	11,374	5,845	,0002	S
CM+P, J4S	14,421	5,955	<.0001	S
CM+P, J5P	13,043	6,113	<.0001	S
CM+P, J5S	9,647	5,845	,0043	S
CM+P, J6P	5,288	5,955	,0815	
CM+P, J6S	3,844	5,845	,2180	
CM+P, TNP	13,452	9,241	,0049	S
CM+P, TNS	18,491	7,308	<.0001	S
CM+S, J3P	5,489	6,627	,1031	
CM+S, J3S	5,391	7,094	,1342	
CM+S, J4P	3,959	5,978	,2339	
CM+S, J4S	6,405	6,704	,0283	S
CM+S, J5P	5,027	5,858	,0914	
CM+S, J5S	5,322	5,578	,8221	
CM+S, J6P	-2,729	5,704	,3436	
CM+S, J6S	-4,372	5,578	,1226	
CM+S, TNP	5,437	9,075	,2383	
CM+S, TNS	7,476	7,094	,0382	S
J3P, J3S	-,099	7,583	,9794	
J3P, J4P	-2,130	6,189	,4955	
J3P, J4S	,016	6,313	,7732	
J3P, J5P	-,462	6,452	,8889	
J3P, J5S	-4,858	6,199	,1227	
J3P, J6P	-6,217	6,313	,0115	S
J3P, J6S	-9,861	6,199	,0022	S
J3P, TNP	-,022	9,270	,9912	
J3P, TNS	1,987	7,593	,8035	
J3S, J4P	-2,032	6,695	,5472	
J3S, J4S	1,015	6,801	,7670	
J3S, J5P	-,953	6,931	,9171	
J3S, J5S	-4,759	6,590	,1609	
J3S, J6P	-8,118	6,801	,0200	S
J3S, J6S	-9,762	6,695	,0049	S
J3S, TNP	,046	9,802	,9925	
J3S, TNS	2,086	8,003	,6050	
J4P, J4S	3,046	6,200	,2468	
J4P, J5P	1,658	5,369	,5376	
J4P, J5S	-2,727	5,082	,2863	
J4P, J6P	-6,087	5,200	,0224	S
J4P, J6S	-7,731	5,082	,0033	S
J4P, TNP	2,075	6,767	,6380	
J4P, TNS	4,117	6,898	,2243	
J4S, J5P	-7,378	5,500	,0160	
J4S, J5S	-8,774	5,200	,0301	S
J4S, J6P	-9,133	5,338	,0011	S
J4S, J6S	-10,777	5,200	<.0001	S
J4S, TNP	-,988	8,848	,8279	
J4S, TNS	1,071	6,801	,7545	
J5P, J5S	-4,398	5,389	,1070	
J5P, J6P	-7,755	5,500	,0064	S
J5P, J6S	-9,398	5,369	,0008	S
J5P, TNP	,410	6,946	,9278	
J5P, TNS	2,449	6,831	,4835	
J5S, J6P	-3,359	5,200	,2020	
J5S, J6S	-6,002	5,082	,0628	
J5S, TNP	4,805	8,787	,2782	
J5S, TNS	6,645	6,695	,0453	S
J6P, J6S	-1,644	5,300	,5306	
J6P, TNP	6,165	8,848	,0700	
J6P, TNS	10,204	8,801	,0038	S
J6S, TNP	9,808	8,787	,0288	S
J6S, TNS	11,848	6,595	,0007	S
TNP, TNS	2,039	9,602	,6768	

FIGURE 60

58/218

10/519950

Tableau ANOVA pour TCRBV04

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	480,614	43,692	.929	.5183	10,216	.465
Résidu	71	8340,055	47,043				

Tableau de moyennes pour TCRBV04

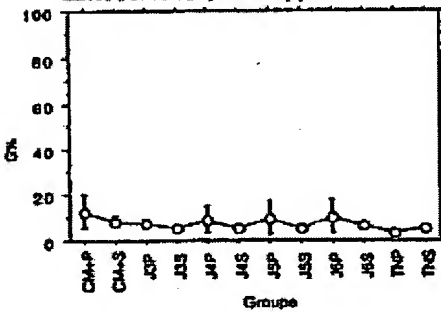
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	12,811	8,647	3,612
CM+S	7	6,819	3,258	1,231
J3P	5	7,932	2,114	.945
J3S	4	5,360	1,230	.815
J4P	10	9,371	10,048	3,184
J4S	9	5,627	2,092	.897
J5P	9	10,016	10,982	3,661
J5S	10	5,995	2,913	.921
J6P	9	10,734	10,845	3,764
J6S	10	6,812	2,905	.919
TNP	2	3,313	.404	.286
TNS	3	5,444	1,555	.898

Courbe des interactions pour TCRBV04

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV04

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	4,193	7,809	.2786
CM+P, J3P	4,879	8,281	.2440
CM+P, J3S	7,442	8,828	.0972
CM+P, J4P	3,440	7,082	.3347
CM+P, J4S	7,184	7,208	.0507
CM+P, J5P	2,795	7,208	.4418
CM+P, J5S	7,418	7,082	.0398
CM+P, J6P	2,077	7,388	.5767
CM+P, J6S	5,999	7,082	.0947
CM+P, TNP	9,498	11,166	.0943
CM+P, TNS	7,368	9,670	.1332
CM+S, J3P	.867	8,008	.6648
CM+S, J3S	3,248	8,672	.4522
CM+S, J4P	-.753	6,740	.6244
CM+S, J4S	2,992	6,892	.3897
CM+S, J5P	-1,397	6,892	.6873
CM+S, J5S	3,223	6,740	.3435
CM+S, J6P	-2,115	7,078	.6532
CM+S, J6S	1,808	8,740	.5947
CM+S, TNP	5,305	10,963	.3379
CM+S, TNS	3,175	9,437	.5045
J3P, J3S	2,563	9,174	.6783
J3P, J4P	-1,439	7,491	.7026
J3P, J4S	2,305	7,628	.5487
J3P, J5P	-2,084	7,628	.5877
J3P, J5S	2,637	7,491	.5017
J3P, J6P	-2,802	7,707	.4760
J3P, J6S	1,120	7,491	.7665
J3P, TNP	4,519	11,442	.4236
J3P, TNS	2,469	9,988	.0209
J3S, J4P	-4,002	8,091	.3273
J3S, J4S	-.256	6,218	.9503
J3S, J5P	-4,647	8,218	.2634
J3S, J5S	-.026	8,091	.9949
J3S, J6P	-5,364	8,375	.2057
J3S, J6S	-1,443	8,091	.7232
J3S, TNP	2,056	11,844	.7303
J3S, TNS	-.074	10,445	.9887
J4P, J4S	3,744	6,284	.2387
J4P, J5P	-.646	6,284	.8385
J4P, J5S	3,976	6,116	.1091
J4P, J6P	-1,362	6,467	.6755
J4P, J6S	2,559	6,116	.4069
J4P, TNP	6,058	10,593	.2580
J4P, TNS	3,928	9,003	.3873
J4S, J5P	-4,369	6,447	.1790
J4S, J5S	.232	6,284	.9416
J4S, J6P	-5,107	6,645	.1299
J4S, J6S	-1,185	6,284	.7080
J4S, TNP	2,314	10,691	.6674
J4S, TNS	.183	9,117	.9581
J5P, J5S	4,621	6,284	.1470
J5P, J6P	-.716	6,545	.8301
J5P, J6S	3,204	6,284	.3128
J5P, TNP	6,703	10,691	.2154
J5P, TNS	4,572	9,117	.3207
J5S, J6P	-5,339	6,467	.1062
J5S, J6S	-1,417	6,116	.6458
J5S, TNP	2,062	10,593	.8983
J5S, TNS	-.049	9,003	.9918
J6P, J6S	3,922	6,467	.2321
J6P, TNP	7,421	10,812	.1755
J6P, TNS	5,280	9,259	.2564
J6S, TNP	3,496	10,593	.5123
J6S, TNS	1,389	9,003	.7627
TNP, TNS	-2,120	12,484	.7347

FIGURE 60 (continuing)

10/519950

59/218

Tableau ANOVA pour TCRBV05.1

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur du p	Lambda	Puissance
Groupe	11	1551,862	151,078	1,949	,0508	21,436	,842
Résidu	59	4674,151	77,528				

Tableau de moyennes pour TCRBV05.1

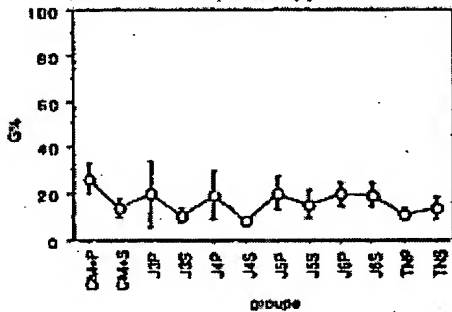
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	8	26,657	8,159	3,331
CM+S	9	13,677	4,933	2,208
J3P	4	19,960	14,417	7,208
J3S	4	10,518	3,153	1,577
J4P	7	19,651	14,109	5,333
J4S	8	8,089	1,826	,746
J5P	7	20,393	9,975	3,733
J5S	6	15,429	6,348	2,852
J6P	8	19,805	7,737	2,735
J6S	10	19,787	8,877	2,807
TNP	2	11,334	1,795	1,269
TNS	4	14,094	5,006	2,503

Courbe des interactions pour TCRBV05.1

Effet : Groupe

Barres d'erreur: ± 1,86 Erreur(s) standard



Test PLSD de Fisher pour TCRBV05.1

Effet : Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	12,780	10,659	,0197 S
CM+P, J3P	6,697	11,373	,2434
CM+P, J3S	16,139	11,373	,0062 S
CM+P, J4P	7,004	9,802	,1879
CM+P, J4S	16,569	10,172	,0006 S
CM+P, J5P	6,264	9,802	,2050
CM+P, J5S	11,228	9,516	,0216 S
CM+P, J6P	6,852	9,515	,1542
CM+P, J6S	8,670	9,098	,1382
CM+P, TNP	15,323	14,386	,0372 S
CM+P, TNS	12,589	11,373	,0310 S
CM+S, J3P	-8,003	11,819	,3073
CM+S, J3S	3,560	11,819	,5717
CM+S, J4P	-6,774	10,318	,2673
CM+S, J4S	5,788	10,659	,2620
CM+S, J5P	-6,518	10,318	,2112
CM+S, J5S	-1,552	10,044	,7582
CM+S, J6P	-6,928	10,044	,2423
CM+S, J6S	-5,910	9,650	,2352
CM+S, TNP	2,543	14,741	,7312
CM+S, TNS	-.217	11,819	,9709
J3P, J3S	9,442	12,458	,1347
J3P, J4P	,310	11,043	,9554
J3P, J4S	11,872	11,373	,0410 S
J3P, J5P	-.433	11,043	,9378
J3P, J5S	4,531	10,789	,4041
J3P, J6P	,155	10,789	,9771
J3P, J6S	,173	10,423	,9736
J3P, TNP	8,826	15,258	,2625
J3P, TNS	8,867	12,458	,2499
J3S, J4P	-9,133	11,043	,1033
J3S, J4S	2,430	11,373	,5705
J3S, J5P	-9,875	11,043	,0787
J3S, J5S	-4,911	10,789	,3661
J3S, J6P	-9,287	10,789	,0902
J3S, J6S	-9,269	10,423	,0803
J3S, TNP	-.916	15,258	,9151
J3S, TNS	-3,576	12,458	,5679
J4P, J4S	11,563	9,802	,0216 S
J4P, J5P	-.742	9,418	,8752
J4P, J5S	4,221	9,119	,3580
J4P, J6P	-.155	9,119	,9731
J4P, J6S	-.137	8,683	,9750
J4P, TNP	6,317	14,126	,2435
J4P, TNS	3,557	11,043	,3181
J4S, J5P	-12,305	9,802	,0146 S
J4S, J5S	-7,341	9,515	,1280
J4S, J6P	-11,717	9,515	,0167 S
J4S, J6S	-11,700	9,098	,0128 S
J4S, TNP	-3,246	14,386	,6533
J4S, TNS	-8,006	11,373	,2950
J5P, J5S	4,984	9,119	,2905
J5P, J6P	,568	9,119	,8978
J5P, J6S	,806	8,683	,8894
J5P, TNP	9,058	14,126	,2044
J5P, TNS	6,298	11,043	,2583
J5S, J6P	-4,376	8,609	,3243
J5S, J6S	-4,358	8,357	,3010
J5S, TNP	4,095	13,929	,5586
J5S, TNS	1,336	10,789	,8052
J6P, J6S	-.016	8,357	,9968
J6P, TNP	8,471	13,929	,2285
J6P, TNS	5,712	10,789	,2938
J6S, TNP	8,453	13,547	,2201
J6S, TNS	5,894	10,423	,2788
TNP, TNS	-2,760	15,258	,7187

FIGURE 61

10/519950

60/218

Tableau ANOVA pour TCRBV05.2

dd	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
dd	1350,634	122,785	8,040	<.0001	66,443	1,000
Réglé	1382,288	20,328				

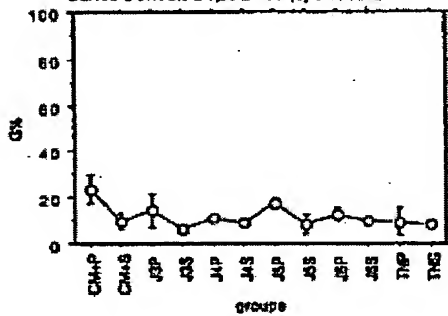
Tableau de moyennes pour TCRBV05.2  
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	8	23,300	7,161	3,198
CM+S	7	8,868	4,811	1,818
J3P	8	14,277	8,343	3,731
J3S	4	6,390	1,893	,847
J4P	8	10,888	1,438	,508
J4S	9	8,759	2,111	,704
J6P	8	17,091	3,750	1,326
J6S	10	8,415	6,726	2,127
J8P	8	12,346	3,848	1,361
J8S	10	8,886	2,723	,861
TNP	2	8,381	4,477	3,165
TNS	4	8,400	1,384	,692

Courbe des interactions pour TCRBV05.2

Effet : Groupe

Barres d'erreur:  $\pm 1,88$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV05.2

Effet : Groupe

Niveau de signification: 5 %

	DH1. moy.	DH1. cr.	Valeur p	
CM+P, CM+S	13,432	5,268	<.0001	S
CM+P, J3P	8,024	5,690	,0023	S
CM+P, J3S	16,910	5,035	<.0001	S
CM+P, J4P	12,411	5,129	<.0001	S
CM+P, J4S	14,541	5,018	<.0001	S
CM+P, J6P	6,208	5,129	,0184	S
CM+P, J6S	14,686	4,928	<.0001	S
CM+P, J8P	10,955	5,129	<.0001	S
CM+P, J8S	12,335	4,928	<.0001	S
CM+P, TNP	12,239	7,527	,0004	S
CM+P, TNS	14,001	6,035	<.0001	S
CM+S, J3P	-4,409	5,268	,0995	
CM+S, J3S	2,478	5,639	,2227	
CM+S, J4P	-1,021	4,856	,8692	
CM+S, J4S	1,109	4,534	,6271	
CM+S, J6P	-7,223	4,856	,0029	S
CM+S, J6S	1,454	4,434	,5152	
CM+S, J8P	-2,477	4,658	,2921	
CM+S, J8S	-0,088	4,434	,8651	
CM+S, TNP	,507	7,214	,8888	
CM+S, TNS	1,469	5,639	,6050	
J3P, J3S	7,887	5,035	,0112	S
J3P, J4P	3,368	5,129	,1919	
J3P, J4S	5,518	5,018	,0317	S
J3P, J6P	-2,815	5,129	,2774	
J3P, J6S	6,862	4,928	,0204	S
J3P, J8P	1,931	5,129	,4550	
J3P, J8S	4,311	4,928	,0854	
J3P, TNP	4,916	7,527	,1969	
J3P, TNS	5,877	6,035	,0561	
J3S, J4P	-4,499	5,508	,1078	
J3S, J4S	-2,369	5,408	,3850	
J3S, J6P	-10,701	5,508	,0002	S
J3S, J6S	-2,025	5,323	,4805	
J3S, J8P	-5,956	5,508	,0348	S
J3S, J8S	-3,576	5,323	,1845	
J3S, TNP	-2,871	7,791	,4494	
J3S, TNS	-2,009	6,382	,5306	
J4P, J4S	2,130	4,372	,3344	
J4P, J6P	-6,202	4,498	,0076	S
J4P, J6S	2,474	4,268	,2513	
J4P, J8P	-1,457	4,498	,5203	
J4P, J8S	,923	4,268	,6674	
J4P, TNP	1,528	7,113	,6695	
J4P, TNS	2,489	5,509	,3704	
J4S, J6P	-6,332	4,372	,0003	S
J4S, J6S	,345	4,134	,8884	
J4S, J8P	-3,586	4,372	,1082	
J4S, J8S	-1,207	4,134	,5822	
J4S, TNP	-,802	7,033	,8649	
J4S, TNS	,360	5,406	,8948	
J6P, J6S	8,677	4,268	,0001	S
J6P, J8P	4,746	4,486	,0380	S
J6P, J8S	7,126	4,268	,0014	S
J6P, TNP	7,730	7,113	,0336	S
J6P, TNS	8,682	5,509	,0024	S
J6S, J8P	-3,831	4,268	,0704	
J6S, J8S	-1,651	4,024	,4444	
J6S, TNP	-,946	6,989	,7672	
J6S, TNS	,016	5,323	,9955	
J8P, J6S	2,880	4,268	,2897	
J8P, TNP	2,885	7,113	,4053	
J8P, TNS	3,948	5,509	,1575	
J8S, TNP	,805	8,989	,8830	
J8S, TNS	1,668	5,323	,5590	
TNP, TNS	,881	7,791	,8062	

FIGURE 61 (continuing)

10/519950

61/218

Tableau ANOVA pour TCRBV06

	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Limite	Puissance
Groupe	11	1291,943	117,449	1,670	,0575	20,575	,937
Résidu	73	4583,735	62,791				

Tableau de moyennes pour TCRBV06

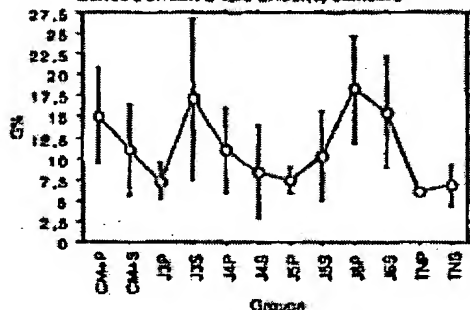
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	15,125	7,023	2,867
CM+S	7	10,954	7,345	2,739
J3P	8	7,344	2,448	1,081
J3S	8	17,100	10,656	4,901
J4P	10	11,010	8,113	2,568
J4S	9	8,340	8,466	2,822
J5P	9	7,487	2,438	,812
J5S	9	10,375	8,168	3,723
J6P	9	18,202	9,738	3,245
J6S	10	18,964	10,507	3,322
TNP	2	6,054	,281	,165
TNS	4	6,048	2,528	1,263

Courbe des interactions pour TCRBV06

Effet : Groupe

Barres d'erreur:  $\pm 1,36$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV06

Effet : Groupe

Niveau de significativité: 5 %

	Diff. moy.	Diff. cr.	Valeur p
CM+P, CM+S	4,131	8,786	,3518
CM+P, J3P	7,781	8,508	,1092
CM+P, J3S	-1,978	8,583	,8818
CM+P, J4P	4,105	8,158	,3190
CM+P, J4S	8,784	8,323	,1098
CM+P, J5P	7,857	8,323	,0708
CM+P, J5S	4,748	8,323	,2982
CM+P, J6P	-3,137	8,323	,4580
CM+P, J6S	-4,440	8,165	,9148
CM+P, TNP	8,041	12,898	,1868
CM+P, TNS	8,280	10,194	,1098
CM+S, J3P	3,650	9,247	,4341
CM+S, J3S	-8,108	9,247	,1923
CM+S, J4P	-,025	7,783	,9848
CM+S, J4S	2,653	7,959	,5088
CM+S, J5P	3,826	7,959	,3001
CM+S, J5S	,518	7,959	,8774
CM+S, J6P	-7,288	7,959	,0728
CM+S, J6S	-4,571	7,783	,2488
CM+S, TNP	4,810	12,682	,4421
CM+S, TNS	4,148	9,899	,4003
J3P, J3S	-9,756	9,088	,0554
J3P, J4P	-3,675	8,650	,3908
J3P, J4S	-,998	8,808	,8223
J3P, J5P	-,174	8,809	,9778
J3P, J5S	-3,032	8,809	,4949
J3P, J6P	-10,918	8,809	,0188
J3P, J6S	-8,220	8,650	,0822
J3P, TNP	1,280	13,213	,8498
J3P, TNS	-,499	10,594	,9285
J3S, J4P	6,081	8,650	,1654
J3S, J4S	8,759	8,809	,0513
J3S, J5P	8,632	8,809	,0325
J3S, J5S	8,724	8,809	,1325
J3S, J6P	-1,182	8,809	,7933
J3S, J6S	1,538	8,650	,7845
J3S, TNP	11,018	13,213	,1009
J3S, TNS	10,255	10,594	,0876
J4P, J4S	2,678	7,256	,4643
J4P, J5P	3,561	7,256	,3328
J4P, J5S	-,643	7,256	,8603
J4P, J6P	-7,249	7,256	,0504
J4P, J6S	-4,845	7,063	,2037
J4P, TNP	4,935	12,339	,4240
J4P, TNS	4,174	9,343	,3762
J4S, J5P	,878	7,445	,8159
J4S, J5S	-2,035	7,445	,5875
J4S, J6P	-9,991	7,445	,0097
J4S, J6S	-7,224	7,256	,0510
J4S, TNP	2,267	12,346	,7167
J4S, TNS	1,486	9,490	,7544
J5P, J5S	-2,808	7,445	,4388
J5P, J6P	-10,794	7,445	,0061
J5P, J6S	-8,097	7,288	,0293
J5P, TNP	1,384	12,346	,8239
J5P, TNS	,622	9,480	,8984
J5S, J6P	-7,886	7,445	,0362
J5S, J6S	-6,189	7,288	,1584
J5S, TNP	4,292	12,346	,4906
J5S, TNS	3,530	9,480	,4608
J6P, J6S	2,698	7,256	,4611
J6P, TNP	12,178	12,346	,8591
J6P, TNS	11,417	8,690	,0181
J6S, TNP	9,480	12,333	,1268
J6S, TNS	8,719	9,343	,8889
TNP, TNS	-,781	13,677	,9120

FIGURE 62

10/519950

Tableau ANOVA pour TCRBV07

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1662,073	151,098	2,273	.0190	24,999	.016
Résidu	73	4853,374	66,485				

Tableau de moyennes pour TCRBV07

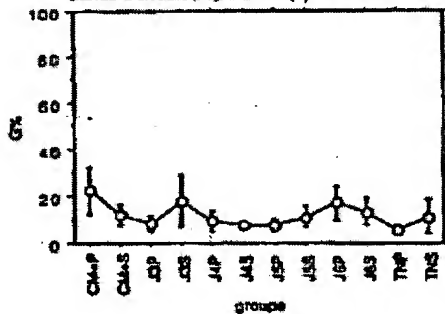
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	22,571	12,580	5,138
CM+S	7	12,394	8,957	2,251
J3P	4	8,167	3,515	1,758
J3S	5	18,202	12,455	5,570
J4P	10	9,671	7,236	2,280
J4S	9	7,380	1,678	,559
J5P	9	7,781	3,973	1,324
J5S	10	11,235	7,477	2,368
J6P	9	17,036	11,325	3,775
J6S	10	13,534	9,840	3,112
TNP	2	8,798	1,335	,944
TNS	4	11,232	7,499	3,749

Courbe des interactions pour TCRBV07

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV07

Effet : Groupe

Niveau de significativité : 5 %

	DM, moy.	DM, crl.	Valeur p	
CM+P, CM+S	10,177	9,041	,0270	S
CM+P, J3P	14,350	10,490	,0070	S
CM+P, J3S	4,369	9,040	,3791	
CM+P, J4P	12,850	8,992	,0031	S
CM+P, J4S	15,191	8,565	,0007	S
CM+P, J5P	14,790	8,565	,0010	S
CM+P, J5S	11,338	8,392	,0038	S
CM+P, J6P	5,535	8,565	,2018	
CM+P, J6S	9,037	8,392	,0352	S
CM+P, TNP	16,773	13,268	,0139	S
CM+P, TNS	11,339	10,490	,0348	S
CM+S, J3P	4,702	10,188	,4138	
CM+S, J3S	-6,806	8,515	,2277	
CM+S, J4P	2,723	8,009	,5002	
CM+S, J4S	6,014	8,489	,2263	
CM+S, J5P	4,612	8,189	,2653	
CM+S, J5S	1,159	8,008	,7739	
CM+S, J6P	-4,642	8,189	,2623	
CM+S, J6S	-1,140	8,008	,7778	
CM+S, TNP	8,596	13,028	,3163	
CM+S, TNS	1,182	10,186	,8208	
J3P, J3S	-10,011	10,901	,0713	
J3P, J4P	-1,480	9,614	,7599	
J3P, J4S	,811	9,765	,8680	
J3P, J5P	,410	9,765	,9335	
J3P, J5S	-3,044	9,814	,5301	
J3P, J6P	-6,845	9,765	,0752	
J3P, J6S	-5,342	9,814	,2717	
J3P, TNP	2,304	14,073	,7356	
J3P, TNS	-3,041	11,491	,5995	
J3S, J4P	8,531	8,801	,0600	
J3S, J4S	10,822	9,064	,0200	S
J3S, J5P	10,421	9,064	,0248	S
J3S, J5S	6,987	8,901	,1231	
J3S, J6P	1,166	9,064	,7884	
J3S, J6S	4,858	8,901	,2992	
J3S, TNP	12,404	13,696	,0731	
J3S, TNS	6,070	10,901	,2068	
J4P, J4S	2,291	7,467	,6428	
J4P, J5P	1,690	7,467	,6155	
J4P, J5S	-1,864	7,267	,8503	
J4P, J6P	-7,368	7,487	,0531	
J4P, J6S	-3,862	7,267	,2930	
J4P, TNP	3,873	12,688	,5418	
J4P, TNS	-1,561	9,814	,7472	
J4S, J5P	,401	7,661	,9171	
J4S, J5S	-3,855	7,467	,3089	
J4S, J6P	-9,856	7,661	,0142	S
J4S, J6S	-8,154	7,467	,1048	
J4S, TNP	1,682	12,704	,8048	
J4S, TNS	-3,852	9,765	,4243	
J5P, J5S	-3,434	7,467	,3580	
J5P, J6P	-9,285	7,881	,0188	S
J5P, J6S	-6,752	7,467	,1280	
J5P, TNP	1,984	12,704	,7566	
J5P, TNS	-3,451	9,765	,4835	
J5S, J6P	-8,901	7,467	,1258	
J5S, J6S	-2,299	7,267	,5304	
J5S, TNP	8,437	12,688	,3921	
J5S, TNS	,003	9,614	,9998	
J6P, J6S	3,802	7,467	,3630	
J6P, TNP	11,238	12,704	,0621	
J6P, TNS	8,604	9,765	,2401	
J6S, TNP	7,738	12,588	,2246	
J6S, TNS	2,302	9,614	,8347	
TNP, TNS	-5,438	14,073	,4440	

FIGURE 62 (continuing)

10/519950

Tableau ANOVA pour TCRBV05.1

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	460,326	41,848	2,870	.0035	31,673	.973
Réside	73	1064,330	14,560				

Tableau de moyennes pour TCRBV05.1

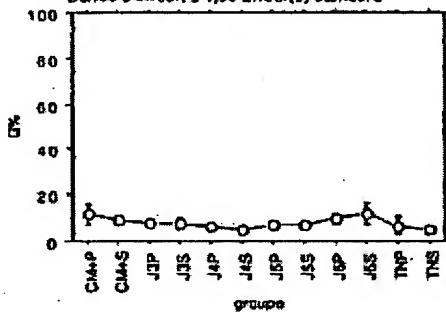
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	11,823	6,609	2,290
CM+S	7	8,946	2,515	,950
J3P	5	7,514	1,811	,810
J3S	5	7,700	3,225	1,442
J4P	10	6,330	1,351	,427
J4S	9	4,583	1,739	,580
J5P	9	6,959	1,829	,543
J5S	10	6,922	2,767	,881
J6P	8	9,385	3,426	1,212
J6S	10	11,826	8,039	2,542
TNP	2	8,355	2,773	1,083
TNS	4	4,560	1,918	,959

Courbe des interactions pour TCRBV05.1

Effet : Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV05.1

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crt.	Valeur p
CM+P, CM+S	2,875	4,234	,2119
CM+P, J3P	4,109	4,608	,0797
CM+P, J3S	3,839	4,608	,1017
CM+P, J4P	5,293	3,930	,0090
CM+P, J4S	7,040	4,011	,0006
CM+P, J5P	4,654	4,011	,0236
CM+P, J5S	6,001	3,930	,0133
CM+P, J6P	2,338	4,110	,2813
CM+P, J6S	-.202	3,930	,9185
CM+P, TNP	5,267	6,214	,0664
CM+P, TNS	7,083	4,012	,0064
CM+S, J3P	1,434	4,456	,5234
CM+S, J3S	1,157	4,456	,6063
CM+S, J4P	2,618	3,760	,1684
CM+S, J4S	4,365	3,635	,0283
CM+S, J5P	1,978	3,635	,3072
CM+S, J5S	2,325	3,750	,2205
CM+S, J6P	-.437	3,930	,8256
CM+S, J6S	-.2,878	3,750	,1305
CM+S, TNP	2,592	6,102	,3899
CM+S, TNS	4,388	4,770	,0708
J3P, J3S	-.276	4,613	,9892
J3P, J4P	1,184	4,168	,8730
J3P, J4S	2,931	4,245	,1729
J3P, J5P	,545	4,245	,7968
J3P, J5S	,892	4,168	,8711
J3P, J6P	-.1,871	4,338	,9230
J3P, J6S	-.4,311	4,168	,0428
J3P, TNP	1,188	6,387	,7179
J3P, TNS	2,954	5,105	,2525
J3S, J4P	1,461	4,168	,4872
J3S, J4S	3,208	4,245	,1363
J3S, J5P	-.821	4,245	,7008
J3S, J5S	1,168	4,168	,5781
J3S, J6P	-.1,594	4,338	,4063
J3S, J6S	-.4,035	4,168	,0576
J3S, TNP	1,435	6,367	,6547
J3S, TNS	3,231	5,105	,2112
J4P, J4S	1,747	3,497	,3226
J4P, J5P	-.839	3,497	,7167
J4P, J5S	-.292	3,403	,8645
J4P, J6P	-.3,065	3,610	,0960
J4P, J6S	-.5,496	3,403	,0019
J4P, TNP	-.026	5,895	,9931
J4P, TNS	1,770	4,502	,4358
J4S, J5P	-.2,386	3,597	,1890
J4S, J5S	-.2,040	3,497	,2486
J4S, J6P	-.4,802	3,698	,0116
J4S, J6S	-.7,243	3,497	,00001
J4S, TNP	-.1,773	5,949	,6544
J4S, TNS	,023	4,573	,9921
J5P, J5S	,347	3,497	,8439
J5P, J6P	-.2,418	3,688	,1970
J5P, J6S	-.4,856	3,497	,0071
J5P, TNP	,613	5,949	,8377
J5P, TNS	2,409	4,573	,2972
J5S, J6P	-.2,762	3,610	,1316
J5S, J6S	-.5,203	3,403	,0032
J5S, TNP	,267	5,895	,8284
J5S, TNS	2,062	4,502	,3842
J6P, J6S	-.2,441	3,510	,1820
J6P, TNP	3,028	6,016	,3190
J6P, TNS	4,825	4,660	,0426
J6S, TNP	5,470	5,895	,0666
J6S, TNS	7,266	4,603	,0019
TNP, TNS	1,790	6,590	,5867

FIGURE 63

10/519950

64/218

Tableau ANOVA pour TCRBV08.2

Source	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	281,752	25,795	,045	,5965	9,294	,423
Réidu	72	2027,752	28,163				

Tableau de moyennes pour TCRBV08.2

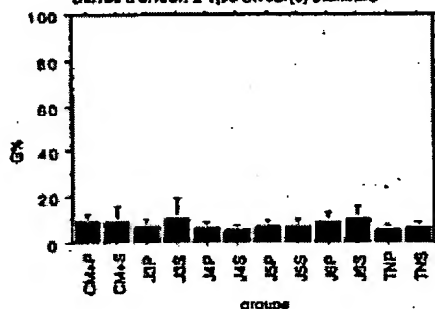
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	9,424	4,193	1,712
CM+S	7	9,822	6,175	3,080
J3P	5	7,368	3,371	1,508
J3S	5	11,440	8,893	3,977
J4P	10	7,015	3,452	1,092
J4S	9	8,927	2,128	,709
J5P	6	7,913	2,882	1,064
J5S	10	7,578	4,198	1,328
J6P	8	9,707	5,289	1,870
J6S	10	11,101	8,149	2,577
TNP	2	6,014	1,405	,893
TNS	4	6,761	2,993	1,157

Graphique des interactions pour TCRBV08.2

Effet : Groupe

Barres d'erreur à 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV08.2

Etat : Groupe

Niveau de signification: 5 %

	CM, moy.	Diff. crit.	Valeur p
CM+P, CM+S	-.398	5,888	,8933
CM+P, J3P	2,058	6,408	,5249
CM+P, J3S	-2,016	6,408	,5325
CM+P, J4P	2,409	5,463	,0872
CM+P, J4S	3,497	5,576	,2152
CM+P, J5P	1,511	5,713	,5998
CM+P, J5S	1,748	5,483	,3281
CM+P, J6P	-.283	5,713	,9217
CM+P, J6S	-1,877	5,483	,5425
CM+P, TNP	3,410	6,638	,4339
CM+P, TNS	2,883	6,829	,4395
CM+S, J3P	2,454	6,194	,4323
CM+S, J3S	-1,818	6,194	,8042
CM+S, J4P	2,807	5,213	,2687
CM+S, J4S	3,895	5,331	,1407
CM+S, J5P	1,909	5,475	,4693
CM+S, J5S	2,143	5,213	,4152
CM+S, J6P	,115	5,475	,9867
CM+S, J6S	-1,280	5,213	,8282
CM+S, TNP	3,807	6,482	,3739
CM+S, TNS	3,060	6,631	,3608
J3P, J3S	-4,072	6,691	,2290
J3P, J4P	,353	5,794	,8036
J3P, J4S	1,441	5,801	,8279
J3P, J5P	-.545	6,031	,8576
J3P, J5S	-.310	5,794	,9153
J3P, J6P	-2,339	6,031	,4420
J3P, J6S	-3,733	5,794	,2031
J3P, TNP	1,353	6,851	,7814
J3P, TNS	,605	7,097	,8652
J3S, J4P	4,425	5,794	,1323
J3S, J4S	5,513	5,801	,0866
J3S, J5P	3,527	6,031	,2475
J3S, J5S	3,761	5,794	,1988
J3S, J6P	1,733	6,031	,6888
J3S, J6S	,338	5,794	,9076
J3S, TNP	5,425	6,851	,2257
J3S, TNS	4,878	7,097	,1930
J4P, J4S	1,088	4,851	,8549
J4P, J5P	-.898	6,018	,7223
J4P, J5S	-.864	4,731	,7808
J4P, J6P	-2,892	5,018	,3894
J4P, J6S	-4,087	4,731	,0894
J4P, TNP	1,000	6,195	,8085
J4P, TNS	,223	6,259	,9360
J4S, J5P	-1,886	5,141	,4438
J4S, J5S	-1,751	4,851	,4750
J4S, J6P	-3,780	5,141	,1471
J4S, J6S	-5,174	4,851	,0373
J4S, TNP	-.087	6,270	,8832
J4S, TNS	-.835	6,357	,7943
J5P, J5S	,224	6,018	,9280
J5P, J6P	-1,794	5,290	,5011
J5P, J6S	-3,189	5,018	,2094
J5P, TNP	1,898	6,364	,8523
J5P, TNS	1,151	6,478	,7242
J6S, J6P	-2,028	6,018	,4230
J6S, J6S	-3,423	4,731	,1598
J6S, TNP	1,884	6,195	,8689
J6S, TNS	,917	6,259	,7711
J6P, J6S	-1,394	5,018	,5913
J6P, TNP	3,892	6,384	,3918
J6P, TNS	2,945	6,478	,3878
J6S, TNP	6,087	6,195	,2189
J6S, TNS	4,340	6,259	,1712
TNP, TNS	-.747	9,162	,8713

FIGURE 63 (continuing)

10/519950

Tableau ANOVA pour TCRBV08.3

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	564,311	51,301	1,738	,0817	18,121	,801
Résidu	73	2154,478	29,513				

Tableau de moyennes pour TCRBV08.3

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	8,849	3,431	1,401
CM+S	7	10,400	7,544	2,851
J3P	6	4,319	1,074	,480
J3S	4	5,041	1,348	,573
J4P	10	5,428	3,083	,969
J4S	9	3,466	1,420	,473
J5P	8	6,072	2,450	,866
J5S	10	3,777	1,722	,545
J6P	10	10,578	12,748	4,031
J6S	10	7,371	3,527	1,118
TNP	2	4,127	,033	,023
TNS	4	3,071	,800	,250

Graphique des interactions pour TCRBV08.3

Effet : Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard

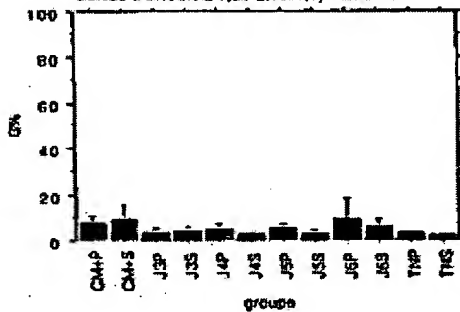


FIGURE 64

Test PLSD de Fisher pour TCRBV08.3

Effet : Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. err.	Valeur p
CM+P, CM+S	-1,751	6,024	,5841
CM+P, J3P	4,530	6,558	,1022
CM+P, J3S	3,508	6,989	,3070
CM+P, J4P	3,221	5,591	,2547
CM+P, J4S	5,183	5,706	,0744
CM+P, J5P	2,577	5,847	,3827
CM+P, J5S	4,872	5,591	,0867
CM+P, J6P	-1,030	5,591	,4038
CM+P, J6S	1,377	5,591	,6249
CM+P, TNP	4,522	8,840	,3114
CM+P, TNS	5,578	6,989	,1160
CM+S, J3P	8,081	6,340	,0596
CM+S, J3S	5,359	6,788	,1198
CM+S, J4P	4,972	5,338	,0673
CM+S, J4S	6,835	5,458	,0135
CM+S, J5P	4,328	5,804	,1281
CM+S, J5S	6,823	5,336	,0157
CM+S, J6P	-1,178	5,336	,9471
CM+S, J6S	3,129	6,336	,2463
CM+S, TNP	6,273	6,591	,1541
CM+S, TNS	7,329	6,788	,0347
J3P, J3S	-1,723	7,283	,8434
J3P, J4P	-1,109	5,930	,7104
J3P, J4S	,653	5,039	,7780
J3P, J5P	-1,753	5,172	,8730
J3P, J5S	,541	5,030	,8551
J3P, J6P	-6,280	5,030	,0388
J3P, J6S	-2,853	5,930	,3243
J3P, TNP	,192	9,059	,9864
J3P, TNS	1,248	7,263	,7331
J3S, J4P	-1,387	6,405	,8045
J3S, J4S	1,576	6,506	,6307
J3S, J5P	-1,031	6,530	,7575
J3S, J5S	1,254	6,405	,6952
J3S, J6P	-8,537	6,405	,0892
J3S, J6S	-2,230	6,405	,4808
J3S, TNP	,915	9,377	,5464
J3S, TNS	1,970	7,558	,6098
J4P, J4S	1,963	4,975	,4342
J4P, J5P	-5,444	5,130	,8033
J4P, J5S	1,651	4,842	,4880
J4P, J6P	-5,180	4,842	,0374
J4P, J6S	-1,843	4,842	,4505
J4P, TNP	1,301	8,387	,7680
J4P, TNS	7,357	6,405	,4657
J4S, J5P	-2,607	5,281	,3267
J4S, J5S	-,312	4,978	,9009
J4S, J6P	-7,113	4,978	,0057
J4S, J6S	-3,806	4,975	,1318
J4S, TNP	-,851	8,464	,8787
J4S, TNS	,394	8,508	,8042
J5P, J5S	2,295	5,136	,3781
J5P, J6P	-4,506	5,136	,0845
J5P, J6S	-1,189	5,136	,6431
J5P, TNP	1,048	8,550	,6519
J5P, TNS	3,001	6,830	,3700
J5S, J6P	-6,801	4,842	,0065
J5S, J6S	-3,494	4,842	,1647
J5S, TNP	-,350	8,387	,9340
J5S, TNS	,708	6,408	,8257
J6P, J6S	3,307	4,842	,1776
J6P, TNP	6,452	8,387	,1296
J6P, TNS	7,507	6,408	,0323
J6S, TNP	3,145	8,387	,4573
J6S, TNS	4,200	6,408	,1854
TNP, TNS	1,056	9,377	,8231

10/519950

Tableau ANOVA pour TCRBV09

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	2082,438	189,313	2,237	,0239	24,805	,900
Réidu	88	4993,632	56,746				

Tableau de moyennes pour TCRBV09

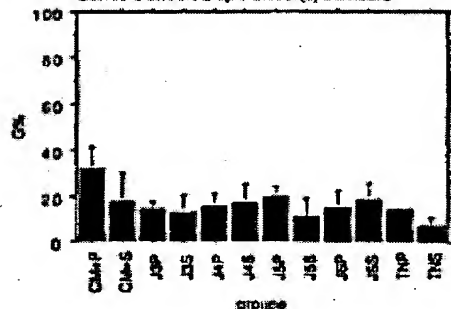
Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	8	22,449	11,658	4,840
CM+S	4	18,688	12,314	6,167
J3P	5	15,347	3,182	1,414
J3S	3	13,712	5,283	3,628
J4P	9	18,677	7,101	2,367
J4S	8	17,918	9,498	3,878
J5P	7	20,567	8,381	2,404
J5S	8	12,019	10,703	3,784
J6P	9	18,190	10,703	3,568
J6S	9	19,402	10,480	3,487
TNP	2	15,419	,537	,380
TNS	3	7,443	3,207	1,852

Graphique des interactions pour TCRBV09

Effet: Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV09

Effet: Groupe

Niveau de signification: 5 %

	DIR. moy.	DIR. crt.	Valeur p	
CM+P, CM+S	13,782	11,883	,0238	S
CM+P, J3P	17,102	11,147	,0032	S
CM+P, J3S	18,737	13,017	,0055	S
CM+P, J4P	18,773	9,702	,0019	S
CM+P, J4S	14,532	10,626	,0082	S
CM+P, J5P	11,882	10,242	,0227	S
CM+P, J5S	20,431	9,942	,0001	S
CM+P, J6P	18,280	9,702	,0014	S
CM+P, J6S	13,047	9,702	,0093	S
CM+P, TNP	17,030	15,031	,0271	S
CM+P, TNS	25,008	13,017	,0003	S
CM+S, J3P	3,321	12,349	,5926	
CM+S, J3S	4,956	14,060	,4834	
CM+S, J4P	1,991	11,052	,7920	
CM+S, J4S	,760	11,883	,8998	
CM+S, J5P	-1,899	11,538	,7430	
CM+S, J5S	6,049	11,873	,2428	
CM+S, J6P	2,478	11,062	,6356	
CM+S, J6S	-,734	11,062	,8948	
CM+S, TNP	3,248	15,942	,6852	
CM+S, TNS	11,224	14,060	,1151	
J3P, J3S	1,635	13,444	,8086	
J3P, J4P	-1,329	10,268	,7985	
J3P, J4S	-2,570	11,147	,6462	
J3P, J5P	-5,220	10,779	,3385	
J3P, J5S	3,329	10,495	,5281	
J3P, J6P	-,842	10,268	,8702	
J3P, J6S	-4,055	10,268	,4326	
J3P, TNP	-,072	13,402	,9925	
J3P, TNS	7,904	13,444	,2442	
J3S, J4P	-2,985	12,272	,6300	
J3S, J4S	-4,208	13,017	,5265	
J3S, J5P	-6,855	12,703	,2645	
J3S, J5S	1,694	12,463	,7868	
J3S, J6P	-2,478	12,272	,6877	
J3S, J6S	-5,690	12,272	,3573	
J3S, TNP	-1,707	16,805	,8386	
J3S, TNS	8,269	15,031	,4073	
J4P, J4S	-1,241	9,702	,7889	
J4P, J5P	-3,690	9,277	,4048	
J4P, J5S	4,668	8,945	,3017	
J4P, J6P	-,487	8,678	,9110	
J4P, J6S	-2,726	8,678	,5321	
J4P, TNP	1,257	14,391	,8618	
J4P, TNS	0,233	12,272	,9378	
J4S, J5P	-2,649	10,242	,0667	
J4S, J5S	5,899	9,942	,3399	
J4S, J6P	1,728	9,702	,7228	
J4S, J6S	-1,484	9,702	,7808	
J4S, TNP	2,468	15,031	,7406	
J4S, TNS	10,474	13,017	,1127	
J5P, J5S	8,549	9,527	,0777	
J5P, J6P	4,377	9,277	,3489	
J5P, J6S	1,185	9,277	,8025	
J5P, TNP	5,148	14,760	,4880	
J5P, TNS	13,124	12,703	,0491	S
J5S, J6P	-4,171	8,945	,3448	
J5S, J6S	-7,384	8,945	,1039	
J5S, TNP	-3,401	14,553	,0418	
J5S, TNS	4,575	12,463	,4658	
J6P, J6S	-3,212	8,678	,4818	
J6P, TNP	-,770	14,391	,9151	
J6P, TNS	8,748	12,272	,1591	
J6S, TNP	3,883	14,391	,5918	
J6S, TNS	11,958	12,272	,0560	
TNP, TNS	7,975	18,805	,3461	

FIGURE 64 (continuing)

10/519950

Tableau ANOVA pour TCRSV10

ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	400,545	44,631	,454	,0281	4,991
Rédu	71	6984,885	98,374			,223

Tableau de moyennes pour TCRSV10

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+S	6	10,175	3,320	1,355
CM+S	7	7,904	3,658	1,382
J3P	5	9,884	0,834	4,338
J3S	5	6,409	7,889	3,528
J4P	8	8,082	7,045	2,548
J4S	9	5,909	1,975	,858
J5P	0	7,338	8,956	2,319
J5S	9	8,596	6,857	2,956
J6P	10	14,088	22,489	7,112
J6S	0	9,281	4,212	1,404
TNP	2	6,434	1,017	,719
TNS	3	3,943	1,407	,812

Graphique des interactions pour TCRSV10

Effet : Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRSV10

Etat : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+S, CM+S	2,180	11,003	,6839
CM+S, J3P	,281	11,975	,9815
CM+S, J3S	1,768	11,975	,7808
CM+S, J4P	2,113	10,423	,6873
CM+S, J4S	4,268	10,423	,4172
CM+S, J5P	1,628	10,423	,6888
CM+S, J5S	,579	10,423	,9122
CM+S, J6P	-2,913	10,219	,4474
CM+S, J6S	,994	10,423	,8847
CM+S, TNP	3,741	18,148	,8458
CM+S, TNS	6,232	12,984	,3272
CM+S, J3P	-1,690	11,880	,7450
CM+S, J3S	-,415	11,580	,8433
CM+S, J4P	-,067	9,987	,9893
CM+S, J4S	2,886	9,987	,8778
CM+S, J5P	,659	9,987	,8656
CM+S, J5S	-1,602	9,987	,7496
CM+S, J6P	-8,093	9,748	,2186
CM+S, J6S	-1,268	9,987	,7977
CM+S, TNP	1,560	18,857	,8450
CM+S, TNS	4,052	12,647	,5557
J3P, J3S	1,475	12,508	,8149
J3P, J4P	1,622	11,031	,7428
J3P, J4S	3,976	11,031	,4748
J3P, J5P	2,548	11,031	,6486
J3P, J5S	,288	11,031	,9586
J3P, J6P	-4,204	10,832	,4416
J3P, J6S	,603	11,031	,9135
J3P, TNP	3,450	18,546	,6789
J3P, TNS	5,941	14,443	,4148
J3S, J4P	,347	11,031	,9501
J3S, J4S	2,500	11,031	,6527
J3S, J5P	1,073	11,031	,8488
J3S, J5S	-1,187	11,031	,8307
J3S, J6P	-5,679	10,832	,2994
J3S, J6S	-,872	11,031	,8752
J3S, TNP	1,975	18,546	,8126
J3S, TNS	4,468	14,443	,5396
J4P, J4S	2,153	9,323	,8488
J4P, J5P	,728	9,323	,8771
J4P, J5S	-1,534	9,323	,7439
J4P, J6P	-8,028	9,987	,1903
J4P, J6S	-1,219	9,323	,7851
J4P, TNP	1,628	18,460	,8243
J4P, TNS	4,119	13,184	,5353
J4S, J5P	-1,427	9,323	,7810
J4S, J5S	-3,687	9,323	,4330
J4S, J6P	-6,178	9,987	,0770
J4S, J6S	-3,972	9,323	,4732
J4S, TNP	-,528	18,460	,8462
J4S, TNS	1,966	13,184	,7671
J5P, J5S	-2,260	9,323	,8204
J5P, J6P	-6,781	9,987	,1428
J5P, J6S	-1,944	9,323	,8788
J5P, TNP	,902	18,460	,8077
J5P, TNS	3,394	13,184	,6094
J5S, J6P	-4,492	9,987	,3277
J5S, J6S	,316	9,323	,9464
J5S, TNP	3,182	18,460	,6817
J5S, TNS	8,653	13,184	,3854
J6P, J6S	4,807	9,987	,2851
J6P, TNP	7,853	15,319	,3226
J6P, TNS	10,145	13,019	,1247
J6S, TNP	2,847	18,460	,7146
J6S, TNS	5,328	13,184	,4222
TNP, TNS	2,492	18,654	,7840

FIGURE 65

10/519950

Tableau ANOVA pour TCRBV11

dd	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
11	417,530	37,957	1,770	,0767	10,473	,806
Réidu	1459,632	21,442				

Tableau de moyennes pour TCRBV11

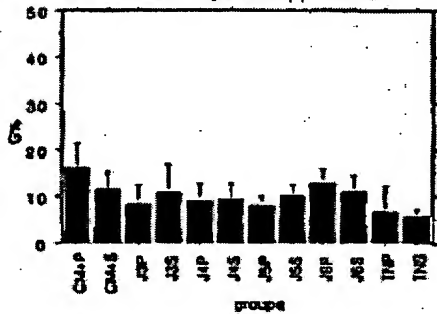
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	6	16,209	6,603	2,777
CM+S	7	11,705	4,930	1,863
J3P	6	6,778	4,081	1,623
J3S	6	10,993	6,723	2,607
J4P	6	6,436	5,363	1,788
J4S	6	6,870	4,441	1,570
J5P	6	6,500	2,323	,821
J5S	9	10,472	3,320	1,109
J6P	9	13,144	4,194	1,398
J6S	9	11,486	4,785	1,598
TNP	2	7,046	3,828	2,707
TNS	3	6,057	1,005	,580

Graphique des interactions pour TCRBV11

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV11

Effet : Groupe

Niveau de signification: 5 %

	CM, moy.	CM, crit.	Valeur p
CM+P, CM+S	4,504	5,141	,0849
CM+P, J3P	7,432	5,558	,0100
CM+P, J3S	6,216	5,555	,0572
CM+P, J4P	6,778	4,870	,0071
CM+P, J4S	6,339	4,880	,0136
CM+P, J5P	7,709	4,880	,0030
CM+P, J5S	5,737	4,870	,0216
CM+P, J6P	3,056	4,870	,2134
CM+P, J6S	4,743	4,870	,0581
CM+P, TNP	9,162	7,844	,0181
CM+P, TNS	10,162	6,534	,0028
CM+S, J3P	2,927	5,410	,2841
CM+S, J3S	,712	5,410	,7837
CM+S, J4P	2,270	4,657	,3340
CM+S, J4S	1,835	4,782	,4466
CM+S, J5P	3,205	4,782	,1666
CM+S, J5S	1,233	4,657	,5090
CM+S, J6P	-1,439	4,657	,5396
CM+S, J6S	,239	4,657	,9187
CM+S, TNP	4,657	7,409	,2140
CM+S, TNS	6,648	6,375	,0516
J3P, J3S	-2,216	5,844	,4519
J3P, J4P	-,657	5,154	,6000
J3P, J4S	-1,093	5,268	,6802
J3P, J5P	,276	5,268	,9185
J3P, J5S	-1,695	5,154	,8139
J3P, J6P	-4,366	5,154	,0956
J3P, J6S	-2,688	5,154	,3016
J3P, TNP	1,730	7,731	,6566
J3P, TNS	2,720	6,748	,4239
J3S, J4P	1,559	5,154	,5482
J3S, J4S	1,123	5,268	,6719
J3S, J5P	2,493	5,268	,3483
J3S, J5S	,821	5,164	,6407
J3S, J6P	-2,150	5,164	,4080
J3S, J6S	-,473	5,154	,6553
J3S, TNP	3,946	7,731	,3121
J3S, TNS	4,836	6,748	,1490
J4P, J4S	-,435	4,490	,6470
J4P, J5P	,638	4,490	,6792
J4P, J5S	-1,038	4,356	,6360
J4P, J6P	-3,709	4,356	,0938
J4P, J6S	-2,031	4,356	,3554
J4P, TNP	2,367	7,223	,5116
J4P, TNS	3,377	6,160	,2776
J4S, J5P	1,370	4,420	,5839
J4S, J5S	-,602	4,480	,7899
J4S, J6P	-3,273	4,480	,1503
J4S, J6S	-1,596	4,480	,4807
J4S, TNP	2,823	7,305	,4433
J4S, TNS	3,813	6,256	,2280
J5P, J5S	-1,972	4,400	,3836
J5P, J6P	-4,644	4,490	,0426
J5P, J6S	-2,888	4,490	,7919
J5P, TNP	1,452	7,305	,6826
J5P, TNS	2,442	6,256	,4385
J5S, J6P	-2,671	4,356	,2883
J5S, J6S	-,884	4,356	,6504
J5S, TNP	3,425	7,223	,3475
J5S, TNS	4,616	6,160	,1572
J6P, J6S	1,876	4,256	,4449
J6P, TNP	6,096	7,223	,0968
J6P, TNS	7,087	6,160	,0246
J6S, TNP	4,416	7,223	,2205
J6S, TNS	5,409	6,160	,0843
TNP, TNS	,990	6,425	,8164

FIGURE 65 (continuing)

OBLON, SPIVAK, ET AL.  
 DOCKET #: 263996US2XPCT  
 INV: Alexis COLLETTE, et al.  
 SERIAL NO. 10/519,950  
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 69/218

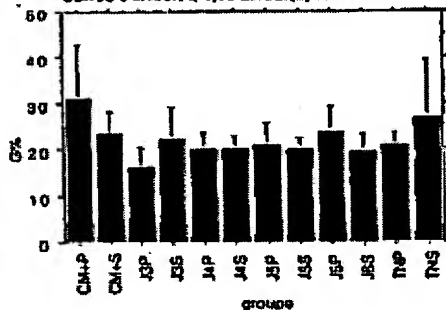
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	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Libertés	Puissance
Groupe	11	847,508	77,046	1,734	,0635	10,078	,797
Rédu	70	3109,550	44,424				

Tableau de moyennes pour TCRBV12  
 Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	5	31,373	13,011	5,919
CM+S	7	23,583	6,355	2,402
J3P	5	16,521	4,554	2,041
J3S	5	22,474	7,502	3,355
J4P	10	20,547	4,914	1,554
J4S	5	20,444	3,354	1,185
J5P	9	21,202	7,031	2,344
J5S	10	20,410	3,361	1,063
J6P	6	23,789	7,661	2,709
J6S	9	19,862	4,089	1,663
TNP	2	21,202	1,748	1,237
TNS	4	27,005	12,590	6,295

Graphique des interactions pour TCRBV12  
 Effet : Groupe  
 Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Effet : Groupe

Niveau de signification: 5 %

	Diff. moy.	DNL	Diff. moy.	Valeur p
CM+P, CM+S	7,790	7,784	,0498	S
CM+P, J3P	14,851	8,407	,0008	S
CM+P, J3S	8,899	8,407	,0283	S
CM+P, J4P	10,825	7,281	,0041	S
CM+P, J4S	10,928	7,578	,0053	S
CM+P, J5P	10,170	7,415	,0079	S
CM+P, J5S	10,863	7,281	,0037	S
CM+P, J6P	7,584	7,578	,0498	S
CM+P, J6S	11,611	7,415	,0028	S
CM+P, TNP	10,171	11,122	,0724	
CM+P, TNS	4,365	8,917	,3320	
CM+S, J3P	7,062	7,784	,0747	
CM+S, J3S	1,109	7,784	,7770	
CM+S, J4P	3,036	8,551	,3586	
CM+S, J4S	3,138	6,880	,3980	
CM+S, J5P	2,381	6,899	,4808	
CM+S, J5S	3,173	8,551	,3374	
CM+S, J6P	2,208	6,880	,6525	
CM+S, J6S	3,721	6,899	,2718	
CM+S, TNP	2,361	10,858	,6573	
CM+S, TNS	-3,422	8,332	,4155	
J3P, J3S	-5,952	8,407	,1824	
J3P, J4P	-4,026	7,281	,2739	
J3P, J4S	-3,823	7,578	,3084	
J3P, J5P	-4,881	7,415	,2122	
J3P, J5S	-3,889	7,281	,3004	
J3P, J6P	-7,268	7,578	,0599	
J3P, J6S	-3,341	7,415	,3719	
J3P, TNP	-4,680	11,122	,4041	
J3P, TNS	-10,484	8,917	,0219	S
J3S, J4P	1,028	7,281	,6894	
J3S, J4S	2,029	7,578	,6850	
J3S, J5P	1,271	7,415	,7334	
J3S, J5S	2,063	7,281	,5737	
J3S, J6P	-1,316	7,578	,7302	
J3S, J6S	2,611	7,415	,4847	
J3S, TNP	1,272	11,122	,8203	
J3S, TNS	-4,532	8,917	,3143	
J4P, J4S	1,03	6,308	,9741	
J4P, J5P	1,655	6,108	,8313	
J4P, J5S	1,127	5,945	,9634	
J4P, J6P	-3,242	8,305	,3087	
J4P, J6S	665	6,108	,8238	
J4P, TNP	1,654	10,287	,8993	
J4P, TNS	-8,458	7,884	,1060	
J4S, J5P	1,758	8,459	,8158	
J4S, J5S	1,034	8,305	,9914	
J4S, J6P	-3,345	8,647	,3180	
J4S, J6S	582	6,459	,8578	
J4S, TNP	-1,757	10,509	,8861	
J4S, TNS	-6,561	8,140	,1125	
J5P, J5S	792	6,108	,7886	
J5P, J6P	-2,587	8,459	,4271	
J5P, J6S	1,340	5,269	,6710	
J5P, TNP	1,001	10,392	,9990	
J5P, TNS	-5,803	7,988	,1819	
J5S, J6P	-3,379	8,305	,2868	
J5S, J6S	548	6,108	,8585	
J5S, TNP	1,702	10,287	,8786	
J5S, TNS	-6,595	7,884	,0980	
J6P, J6S	3,027	6,459	,2294	
J6P, TNP	2,587	10,509	,6249	
J6P, TNS	-3,216	8,140	,4334	
J6S, TNP	-1,340	10,392	,7079	
J6S, TNS	-7,143	7,888	,0769	
TNP, TNS	-5,803	11,612	,3182	

FIGURE 66

Tableau ANOVA pour TCRBV13

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupes	11	558,770	51,787	1,858	,1019	18,243	,773
Réside	88	2155,053	31,233				

Tableau de moyennes pour TCRBV13

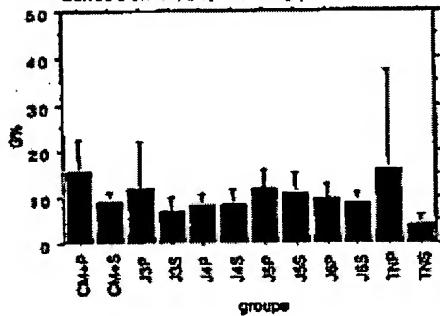
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	8	16,053	8,177	3,338
CM+S	7	9,454	2,238	,846
J3P	5	12,093	11,473	5,131
J3S	4	7,483	2,623	1,312
J4P	9	8,545	3,806	1,202
J4S	9	8,837	4,734	1,578
J5P	9	12,000	6,015	2,005
J5S	8	11,132	8,742	2,030
J6P	8	10,075	3,850	1,361
J6S	10	9,057	3,207	1,014
TNP	2	16,242	15,161	10,720
TNS	4	4,103	2,133	1,067

Graphique des interactions pour TCRBV13

Effet : Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV13

Effet : Groupe

Niveau de signification: 5 %

	ONI. moy.	ONI. c/h.	Valeur p	
CM+P, CM+S	6,600	6,203	,0374	S
CM+P, J3P	3,650	6,751	,2459	
CM+P, J3S	8,590	7,187	,0200	S
CM+P, J4P	7,508	5,676	,0130	S
CM+P, J4S	7,216	5,676	,0168	S
CM+P, J5P	4,053	6,876	,1733	
CM+P, J5S	4,921	6,021	,1076	
CM+P, J6P	5,976	6,021	,0516	
CM+P, J6S	6,888	5,757	,0180	S
CM+P, TNP	-1,189	9,103	,9870	
CM+P, TNS	11,951	7,197	,0016	S
CM+S, J3P	-2,640	6,528	,4227	
CM+S, J3S	1,991	6,986	,5717	
CM+S, J4P	,909	5,619	,7479	
CM+S, J4S	,616	5,819	,8274	
CM+S, J5P	-2,547	5,819	,3690	
CM+S, J5S	-1,679	5,770	,5635	
CM+S, J6P	,621	5,770	,8305	
CM+S, J6S	,396	5,494	,8860	
CM+S, TNP	-6,789	8,939	,1343	
CM+S, TNS	5,351	6,988	,1312	
J3P, J3S	4,630	7,476	,2210	
J3P, J4P	3,548	6,219	,2589	
J3P, J4S	3,288	6,219	,2999	
J3P, J5P	,083	6,219	,9783	
J3P, J5S	,981	6,358	,7639	
J3P, J6P	2,018	6,358	,5288	
J3P, J6S	3,036	6,107	,3247	
J3P, TNP	-4,149	9,328	,3779	
J3P, TNS	7,991	7,479	,0366	S
J3S, J4P	-1,082	6,700	,7483	
J3S, J4S	-1,374	6,700	,6837	
J3S, J5P	-4,537	6,700	,1811	
J3S, J5S	-3,660	6,827	,2874	
J3S, J6P	-2,612	6,827	,4479	
J3S, J6S	-1,594	6,586	,6312	
J3S, TNP	-6,779	9,655	,0740	
J3S, TNS	3,360	7,684	,3981	
J4P, J4S	-,292	5,258	,9120	
J4P, J5P	-3,466	5,258	,1940	
J4P, J5S	-2,588	5,417	,3440	
J4P, J6P	-1,530	5,417	,6749	
J4P, J6S	-,512	5,123	,8425	
J4P, TNP	-7,898	6,718	,0825	
J4P, TNS	4,442	6,700	,1903	
J4S, J5P	-3,163	5,258	,2340	
J4S, J5S	-2,295	5,417	,4009	
J4S, J6P	-,238	5,417	,6489	
J4S, J6S	-,220	5,123	,8320	
J4S, TNP	-7,405	6,718	,0948	
J4S, TNS	4,736	6,700	,1631	
J5P, J5S	,868	5,417	,7502	
J6P, J6P	1,925	5,417	,4807	
J5P, J6S	2,943	5,123	,2587	
J5P, TNP	-4,242	6,718	,3240	
J5P, TNS	7,698	6,700	,0216	S
J6S, J6P	1,057	5,574	,7083	
J6S, J6S	2,078	6,288	,4384	
J6S, TNP	-5,110	6,614	,2514	
J6S, TNS	7,030	6,627	,0438	S
J6P, J6S	1,018	5,286	,7022	
J6P, TNP	-6,167	6,814	,1872	
J6P, TNS	5,973	6,827	,0854	
J8S, TNP	-7,185	6,636	,1016	
J8S, TNS	4,855	6,586	,1386	
TNP, TNS	12,140	9,655	,0143	S

FIGURE 66 (continuing)

10/519950

71/218

Tableau ANOVA pour TCRBV14

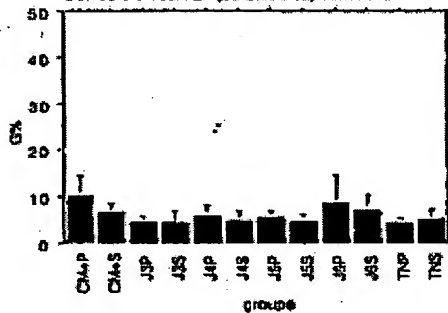
	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	231,107	21,010	1,322	,2319	14,537	,647
Résidu	58	1081,038	18,638				

Tableau de moyennes pour TCRBV14  
Etat: Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	10,551	5,149	2,102
CM+S	7	7,043	1,990	,752
J3P	5	4,884	1,268	,567
J3S	4	4,908	2,004	1,002
J4P	9	6,371	3,227	1,076
J4S	9	5,163	2,662	,854
J5P	8	6,045	1,246	,440
J5S	9	5,140	1,801	,534
J6P	9	6,960	6,698	2,889
J6S	8	7,619	4,177	1,477
TNP	2	5,080	,384	,271
TNS	4	5,486	1,990	,995

Graphique des interactions pour TCRBV14  
Etat: Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV14

Etat: Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	3,508	4,426	,1984
CM+P, J3P	5,668	4,018	,0318
CM+P, J3S	5,643	5,138	,0318
CM+P, J4P	4,180	4,193	,0507
CM+P, J4S	5,388	4,193	,0128
CM+P, J5P	4,506	4,207	,0401
CM+P, J5S	5,411	4,193	,0122
CM+P, J6P	1,571	4,193	,4573
CM+P, J6S	2,932	4,207	,1778
CM+P, TNP	5,521	6,498	,0945
CM+P, TNS	5,066	5,138	,0631
CM+S, J3P	2,160	4,659	,3582
CM+S, J3S	2,136	4,887	,3859
CM+S, J4P	,873	4,010	,7388
CM+S, J4S	1,880	4,010	,3527
CM+S, J5P	,908	4,118	,8300
CM+S, J5S	1,903	4,010	,3489
CM+S, J6P	-1,937	4,010	,3385
CM+S, J6S	-,576	4,118	,7810
CM+S, TNP	2,013	6,379	,5310
CM+S, TNS	1,568	4,987	,5351
J3P, J3S	-,025	5,337	,9926
J3P, J4P	-1,467	4,438	,3059
J3P, J4S	-,289	4,438	,9003
J3P, J5P	-1,161	4,536	,6111
J3P, J5S	-,256	4,438	,9085
J3P, J6P	-4,097	4,438	,0598
J3P, J6S	-2,738	4,536	,2329
J3P, TNP	-,147	6,657	,9651
J3P, TNS	-,802	5,337	,6226
J3S, J4P	-1,462	4,781	,5406
J3S, J4S	-,255	4,781	,8156
J3S, J5P	-1,137	4,872	,6421
J3S, J5S	-,232	4,781	,8233
J3S, J6P	-4,072	4,781	,0938
J3S, J6S	-2,711	4,872	,2708
J3S, TNP	-,122	6,890	,9720
J3S, TNS	-,677	5,826	,6384
J4P, J4S	1,208	3,751	,5227
J4P, J5P	,326	3,866	,8689
J4P, J5S	1,231	3,751	,5148
J4P, J6P	-2,609	3,751	,1898
J4P, J6S	-1,248	3,866	,5215
J4P, TNP	1,341	6,220	,8885
J4P, TNS	,885	4,781	,7129
J4S, J5P	-,882	3,866	,6605
J4S, J5S	,023	3,751	,6902
J4S, J6P	-3,617	3,751	,0462
J4S, J6S	-2,456	3,866	,2092
J4S, TNP	,133	6,220	,8851
J4S, TNS	-,922	4,781	,8834
J5P, J5S	,905	3,866	,6420
J5P, J6P	-2,835	3,866	,1344
J5P, J6S	-1,574	3,978	,4324
J5P, TNP	1,018	6,290	,7485
J5P, TNS	,559	4,872	,8194
J5S, J6P	-3,840	3,751	,0469
J5S, J6S	-2,479	3,866	,2050
J5S, TNP	-,110	6,220	,8720
J5S, TNS	-,345	4,781	,8868
J6P, J6S	1,361	3,866	,4848
J6P, TNP	3,950	6,220	,2094
J6P, TNS	3,485	4,781	,1493
J6S, TNP	2,589	6,290	,4143
J6S, TNS	2,134	4,872	,3852
TNP, TNS	-,456	6,890	,8955

FIGURE 67

72/218

10/519950

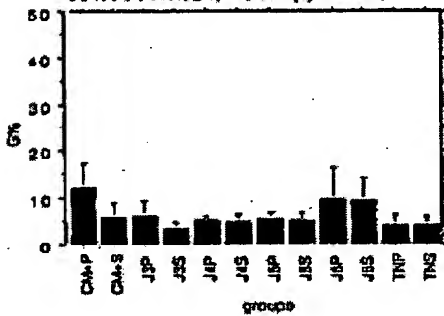
Tableau ANOVA pour TCRBV15

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	475,726	43,248	2,120	.0299	29,320	.888
Résidu	88	1407,598	20,400				

Tableau de moyennes pour TCRBV15  
 Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	12,587	5,913	2,414
CM+S	7	6,161	3,638	1,451
J3P	5	6,724	2,071	1,328
J3S	4	2,984	.921	.460
J4P	10	5,431	1,557	.492
J4S	9	5,058	2,335	.778
J5P	7	6,720	1,647	.622
J5S	10	6,828	1,688	.537
J6P	7	9,920	6,668	3,238
J6S	10	9,571	7,785	2,456
TNP	2	4,499	1,572	1,112
TNS	4	4,683	1,684	.832

Graphique des Interactions pour TCRBV15  
 Effet : Groupe  
 Barres d'erreur : 1,96 Erreur(s) standard



Test PLSD de Fisher pour TCRBV15

Effet : Groupe  
 Niveau de significativité : 5 %

	Diff. moy.	Diff. err.	Valeur p	
CM+P, CM+S	6,426	5,013	.0128	\$
CM+P, J3P	5,883	5,458	.0358	\$
CM+P, J3S	8,623	5,616	.0042	\$
CM+P, J4P	7,158	4,653	.0031	\$
CM+P, J4S	7,498	4,749	.0024	\$
CM+P, J5P	8,887	5,013	.0081	\$
CM+P, J5S	6,661	4,683	.0039	\$
CM+P, J6P	2,667	5,013	.2922	
CM+P, J6S	3,016	4,853	.2003	
CM+P, TNP	6,088	7,357	.0317	\$
CM+P, TNS	7,804	6,816	.0086	\$
CM+S, J3P	-5,682	5,276	.8328	
CM+S, J3S	2,198	5,648	.4403	
CM+S, J4P	.730	4,440	.7438	
CM+S, J4S	1,073	4,541	.6388	
CM+S, J5P	.431	4,816	.8587	
CM+S, J5S	.535	4,440	.8107	
CM+S, J6P	-3,758	4,816	.1241	
CM+S, J6S	-3,409	4,440	.1302	
CM+S, TNP	1,802	7,224	.6477	
CM+S, TNS	1,478	5,648	.8033	
J3P, J3S	2,760	6,044	.3655	
J3P, J4P	1,292	4,935	.6030	
J3P, J4S	1,835	5,026	.5184	
J3P, J5P	.994	5,276	.7082	
J3P, J5S	1,098	4,935	.6587	
J3P, J6P	-3,195	5,276	.2310	
J3P, J6S	-2,847	4,935	.2538	
J3P, TNP	2,225	7,839	.5880	
J3P, TNS	2,041	6,044	.5029	
J3S, J4P	-1,468	5,331	.5646	
J3S, J4S	-1,125	5,418	.6799	
J3S, J5P	-1,766	5,648	.8348	
J3S, J5S	-1,682	5,331	.5359	
J3S, J6P	-5,956	5,648	.0390	\$
J3S, J6S	-5,607	5,331	.0395	\$
J3S, TNP	-.535	7,803	.8815	
J3S, TNS	-.719	6,371	.8224	
J4P, J4S	.343	4,140	.8692	
J4P, J5P	-.299	4,440	.8937	
J4P, J5S	-.185	4,030	.9234	
J4P, J6P	-4,488	4,440	.0476	\$
J4P, J6S	-4,139	4,030	.0442	\$
J4P, TNP	.922	6,979	.7907	
J4P, TNS	.748	5,331	.7603	
J4S, J5P	-.842	4,641	.7789	
J4S, J5S	-.538	4,140	.7963	
J4S, J6P	-4,831	4,541	.0374	\$
J4S, J6S	-4,482	4,140	.0343	\$
J4S, TNP	.889	7,044	.8580	
J4S, TNS	.405	5,418	.8818	
J5P, J5S	.104	4,440	.9630	
J5P, J6P	-4,180	4,816	.0671	
J5P, J6S	-3,641	4,440	.0869	
J5P, TNP	1,231	7,224	.7350	
J5P, TNS	1,047	5,648	.7127	
J5S, J6P	-4,293	4,440	.0579	
J5S, J6S	-3,944	4,030	.0549	
J5S, TNP	1,127	6,979	.7483	
J5S, TNS	.943	5,331	.7252	
J6P, J6S	.349	4,440	.8759	
J6P, TNP	5,420	7,224	.1390	
J6P, TNS	5,238	5,648	.0666	
J6S, TNP	6,071	6,078	.1517	
J6S, TNS	4,887	5,331	.0717	
TNP, TNS	-.184	7,803	.9826	

FIGURE 67 (continuing)

10/519950

73/218

Tableau ANOVA pour TCRBV16

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1108,367	100,761	2,419	,0129	28,808	,934
Résidu	71	2857,431	40,245				

Tableau de moyennes pour TCRBV16

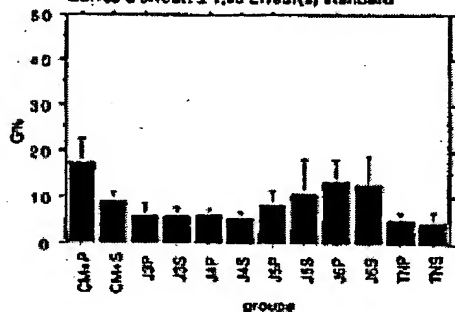
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	17,638	6,182	2,524
CM+S	7	9,511	1,933	,791
J3P	5	8,405	2,481	1,114
J3S	4	6,253	1,812	,906
J4P	9	6,585	1,382	,461
J4S	9	6,835	1,448	,483
J5P	9	8,828	4,243	1,414
J5S	10	11,179	11,924	3,771
J6P	9	13,786	7,048	2,349
J6S	10	13,173	9,708	3,070
TNP	2	5,439	1,203	,851
TNS	3	4,811	1,861	1,075

Graphique des interactions pour TCRBV16

Effet : Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV16

Effet : Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. c.m.	Valeur p
CM+P, CM+S	8,127	7,160	,0267 S
CM+P, J3P	11,232	7,782	,0059 S
CM+P, J3S	11,384	8,307	,0079 S
CM+P, J4P	11,073	6,782	,0017 S
CM+P, J4S	11,809	6,782	,0009 S
CM+P, J5P	8,810	6,782	,0116 S
CM+P, J5S	6,459	6,645	,0588
CM+P, J6P	3,872	6,782	,2589
CM+P, J6S	4,468	6,645	,1840
CM+P, TNP	12,199	10,507	,0235 S
CM+P, TNS	12,828	9,100	,0054 S
CM+S, J3P	3,105	7,536	,4140
CM+S, J3S	3,257	8,086	,4234
CM+S, J4P	2,948	8,485	,3882
CM+S, J4S	3,678	6,485	,2822
CM+S, J5P	,683	6,485	,8343
CM+S, J5S	-1,689	6,342	,6018
CM+S, J6P	-4,256	6,485	,1050
CM+S, J6S	-3,882	6,342	,2534
CM+S, TNP	4,072	10,318	,4340
CM+S, TNS	4,699	8,880	,2949
J3P, J3S	,152	8,633	,9721
J3P, J4P	-,160	7,178	,9647
J3P, J4S	,571	7,178	,8745
J3P, J5P	-2,422	7,178	,5032
J3P, J5S	-4,774	7,048	,1812
J3P, J6P	-7,381	7,178	,0446 S
J3P, J6S	-6,788	7,048	,0888
J3P, TNP	,968	10,767	,8585
J3P, TNS	1,594	9,398	,7382
J3S, J4P	-,312	7,733	,9362
J3S, J4S	,419	7,733	,9143
J3S, J5P	-2,674	7,733	,5090
J3S, J5S	-4,828	7,613	,2012
J3S, J6P	-7,513	7,733	,0567
J3S, J6S	-6,820	7,613	,0742
J3S, TNP	,814	11,146	,8848
J3S, TNS	1,442	9,829	,7708
J4P, J4S	,730	6,066	,8110
J4P, J5P	-2,283	6,066	,4586
J4P, J5S	-4,814	5,913	,1248
J4P, J6P	-7,201	6,066	,0207 S
J4P, J6S	-6,608	5,913	,0290 S
J4P, TNP	1,128	10,060	,8240
J4P, TNS	1,754	8,579	,6848
J4S, J5P	-2,993	6,066	,3286
J4S, J5S	-5,345	5,913	,0757
J4S, J6P	-7,832	6,066	,0111 S
J4S, J6S	-7,238	5,913	,0157 S
J4S, TNP	,388	10,060	,9377
J4S, TNS	1,029	8,579	,8127
J5P, J5S	-2,351	5,913	,4304
J5P, J6P	-4,838	6,066	,1090
J5P, J6S	-4,345	5,913	,1473
J5P, TNP	3,389	10,060	,5040
J5P, TNS	4,016	8,579	,3538
J5S, J6P	-2,587	5,913	,3859
J5S, J6S	-1,984	5,756	,4920
J5S, TNP	5,740	9,988	,2547
J5S, TNS	6,388	8,471	,1384
J6P, J6S	,583	8,913	,8420
J6P, TNP	8,327	10,060	,1093
J6P, TNS	8,955	8,579	,0410 S
J6S, TNP	7,734	9,988	,1283
J6S, TNS	8,381	8,471	,0530
TNP, TNS	,628	11,748	,9185

FIGURE 68

Tableau ANOVA pour TCRBV18

Groupe	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Réglé	11	1386,839	124,258	2,439	,0125	28,832	,935
Réglé	68	3483,904	50,940				

Tableau de moyennes pour TCRBV18

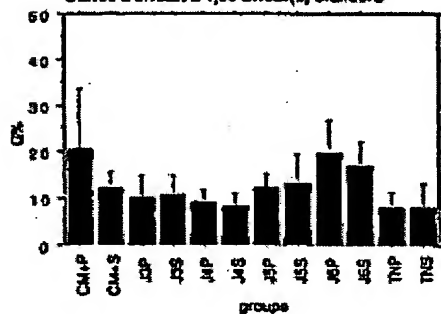
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	20,823	14,298	5,394
CM+S	7	12,460	4,456	1,684
J3P	4	10,425	4,716	2,359
J3S	4	11,167	3,982	1,991
J4P	6	9,840	3,210	1,335
J4S	9	8,739	3,488	1,163
J5P	9	12,342	4,375	1,458
J5S	10	13,509	6,623	2,106
J6P	8	20,235	8,202	3,253
J6S	10	17,530	7,808	2,468
TNP	2	8,367	2,214	1,556
TNS	4	8,318	5,022	2,511

Graphique des interactions pour TCRBV18

Effet : Groupe

Barres d'erreur :  $\pm 1,86$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV18

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	8,463	8,398	,0468	S
CM+P, J3P	10,408	9,554	,0318	S
CM+P, J3S	9,758	9,554	,0455	S
CM+P, J4P	11,389	8,118	,0057	S
CM+P, J4S	12,184	7,944	,0032	S
CM+P, J5P	8,582	7,944	,0348	S
CM+P, J5S	7,414	7,601	,0621	
CM+P, J6P	,689	8,118	,8681	
CM+P, J6S	3,383	7,601	,3884	
CM+P, TNP	12,528	11,918	,0395	S
CM+P, TNS	12,604	9,554	,0105	S
CM+S, J3P	2,035	8,927	,6508	
CM+S, J3S	1,299	8,927	,7734	
CM+S, J4P	2,920	7,371	,4320	
CM+S, J4S	3,721	7,177	,3045	
CM+S, J5P	,119	7,177	,9738	
CM+S, J5S	-1,049	7,019	,7668	
CM+S, J6P	-7,775	7,371	,0390	S
CM+S, J6S	-5,070	7,019	,1541	
CM+S, TNP	4,079	11,419	,4790	
CM+S, TNS	4,141	8,927	,3579	
J3P, J3S	-,742	10,071	,8836	
J3P, J4P	,684	8,721	,8402	
J3P, J4S	1,686	8,558	,8958	
J3P, J5P	-1,917	8,558	,8584	
J3P, J5S	-3,084	8,428	,4677	
J3P, J6P	-9,810	8,721	,0281	S
J3P, J6S	-7,105	8,428	,0970	
J3P, TNP	2,038	12,334	,7426	
J3P, TNS	2,108	10,071	,6778	
J3S, J4P	1,626	8,721	,7110	
J3S, J4S	2,428	8,558	,6732	
J3S, J5P	-1,175	8,558	,7850	
J3S, J6S	-2,342	8,428	,5810	
J3S, J6P	-9,068	8,721	,0418	S
J3S, J6S	-6,363	8,428	,1365	
J3S, TNP	2,780	12,334	,6543	
J3S, TNS	2,848	10,071	,5744	
J4P, J4S	,801	6,920	,8180	
J4P, J5P	-2,801	6,920	,4221	
J4P, J5S	-3,850	6,758	,2452	
J4P, J6P	-10,694	7,121	,0038	S
J4P, J6S	-7,989	6,758	,0212	S
J4P, TNP	1,153	11,259	,6386	
J4P, TNS	1,221	8,721	,7807	
J4S, J5P	-3,602	6,714	,2881	
J4S, J5S	-4,770	6,544	,1804	
J4S, J6P	-11,406	8,920	,0015	S
J4S, J6S	-8,791	8,544	,0092	S
J4S, TNP	,352	11,134	,9499	
J4S, TNS	,420	8,558	,9223	
J5P, J5S	-1,187	6,544	,7230	
J5P, J6P	-7,893	6,920	,0250	S
J5P, J6S	-5,188	6,544	,1183	
J5P, TNP	3,955	11,134	,4609	
J5P, TNS	4,023	8,558	,3816	
J5S, J6P	-8,726	8,758	,0510	
J5S, J6S	-4,021	8,369	,2121	
J5S, TNP	5,122	11,032	,3675	
J5S, TNS	5,190	8,428	,2233	
J6P, J6S	2,705	8,758	,4271	
J6P, TNP	11,848	11,259	,0398	S
J6P, TNS	11,918	8,721	,0081	S
J6S, TNP	9,143	11,032	,1028	
J6S, TNS	9,211	8,428	,0326	S
TNP, TNS	,068	12,334	,9913	

FIGURE 68 (continuing)

10/519950

75/218

Tableau ANOVA pour TCRBV20

Groupe	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
11		1340,545	121,868	2,791	,0044	30,703	,968
Résidu	72	3143,624	43,661				

Tableau de moyennes pour TCRBV20

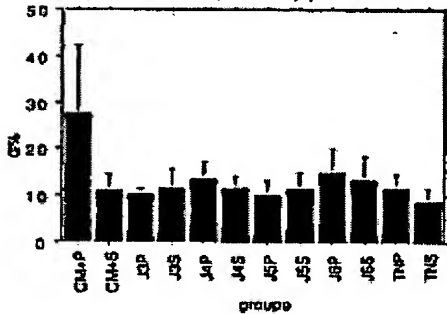
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	27,772	18,719	7,477
CM+S	7	11,353	4,473	1,690
J3P	3	10,825	,982	,439
J3S	4	11,679	3,970	1,985
J4P	10	13,862	5,854	1,851
J4S	9	11,847	3,896	1,290
J5P	9	10,533	4,189	1,396
J5S	10	11,711	5,365	1,697
J6P	9	13,138	7,611	2,537
J6S	10	12,843	7,768	2,463
TNP	2	11,871	2,021	1,429
TNS	4	9,130	2,304	1,152

Graphique des interactions pour TCRBV20

Effet : Groupe

Barres d'erreur:  $\pm 1,86$  Erreur(s) standard



Test PLSD de Fisher pour TCRBV20

Effet : Groupe

Niveau de significativité: 5 %

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	16,418	7,713	<,0001	S
CM+P, J3P	17,147	8,331	,0001	S
CM+P, J3S	16,092	8,836	,0005	S
CM+P, J4P	13,910	7,215	,0003	S
CM+P, J4S	15,024	7,347	<,0001	S
CM+P, J5P	17,238	7,347	<,0001	S
CM+P, J5S	16,081	7,215	<,0001	S
CM+P, J6P	12,834	7,347	,0010	S
CM+P, J6S	14,128	7,215	,0002	S
CM+P, TNP	18,901	11,021	,0053	S
CM+P, TNS	18,642	8,836	<,0001	S
CM+S, J3P	,728	7,713	,8813	
CM+S, J3S	-,026	8,266	,9374	
CM+S, J4P	-2,609	8,491	,4436	
CM+S, J4S	-,495	8,638	,8623	
CM+S, J5P	,819	8,638	,8083	
CM+S, J5S	-,358	8,491	,9128	
CM+S, J6P	-3,785	8,638	,2594	
CM+S, J6S	-2,291	8,491	,4840	
CM+S, TNP	-,518	10,561	,9224	
CM+S, TNS	2,223	8,266	,5931	
J3P, J3S	-1,054	8,836	,8126	
J3P, J4P	-3,237	7,215	,5741	
J3P, J4S	-1,223	7,347	,7410	
J3P, J5P	,091	7,347	,9803	
J3P, J5S	-1,086	7,215	,7850	
J3P, J6P	-4,513	7,347	,2247	
J3P, J6S	-3,018	7,215	,4070	
J3P, TNP	-1,246	11,021	,8223	
J3P, TNS	1,485	8,836	,7389	
J3S, J4P	-2,183	7,793	,5783	
J3S, J4S	-,188	7,915	,9683	
J3S, J5P	1,146	7,915	,7738	
J3S, J5S	-,032	7,793	,9038	
J3S, J6P	-3,459	7,915	,3668	
J3S, J6S	-1,954	7,793	,8169	
J3S, TNP	-,192	10,407	,9734	
J3S, TNS	2,550	9,314	,5870	
J4P, J4S	2,014	6,052	,5091	
J4P, J5P	3,328	6,052	,2766	
J4P, J5S	2,151	5,891	,4890	
J4P, J6P	-1,278	6,052	,6755	
J4P, J6S	,218	5,891	,9413	
J4P, TNP	1,991	10,203	,8904	
J4P, TNS	4,732	7,793	,2300	
J4S, J5P	1,314	6,209	,8744	
J4S, J5S	,137	6,052	,9642	
J4S, J6P	-3,280	6,209	,2943	
J4S, J6S	-1,798	6,052	,5580	
J4S, TNP	-,023	10,297	,9984	
J4S, TNS	2,718	7,915	,4958	
J5P, J5S	-1,177	6,052	,6993	
J5P, J6P	-4,604	6,209	,1437	
J5P, J6S	-3,110	6,052	,3091	
J5P, TNP	-1,337	10,297	,7064	
J5P, TNS	1,404	7,915	,7247	
J5S, J6P	-3,427	6,052	,2627	
J5S, J6S	-1,833	5,891	,5152	
J5S, TNP	-,180	10,203	,9751	
J5S, TNS	2,581	7,793	,5112	
J6P, J6S	1,494	6,052	,6241	
J6P, TNP	3,287	10,297	,5291	
J6P, TNS	6,008	7,915	,1346	
J6S, TNP	1,773	10,203	,7301	
J6S, TNS	4,514	7,793	,2820	
TNP, TNS	2,741	11,407	,8334	

FIGURE 69

10/519950

Tableau ANOVA pour TCRBV01

	ddl	Somme des carés	Caré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	432,989	86,594	2,011	,0868	10,054	,640
Résidu	78	3272,848	42,084				

Tableau de moyennes pour TCRBV01

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	13	11,067	5,348	2,915
CM+S	17	11,091	6,232	1,998
JSP	9	7,802	9,117	3,039
JSS	10	8,450	1,743	,551
TNP	18	5,478	1,748	,438
TNS	17	8,820	8,198	1,803

Test PLSD de Fisher pour TCRBV01

Effet : Groupe

Niveau de signification : 5 %

	DBL. moy.	DBL. err.	Valeur p
CM+P, CM+S	-,003	4,815	,9989
CM+P, JSP	3,285	5,888	,2820
CM+P, JSS	4,637	5,499	,0971
CM+P, TNP	5,600	4,880	,0248
CM+P, TNS	4,289	4,815	,0827
CM+S, JSP	3,288	8,386	,2279
CM+S, JSS	4,841	6,209	,0800
CM+S, TNP	5,613	4,662	,0164
CM+S, TNS	4,282	4,483	,0821
JSP, JSS	1,352	6,005	,8550
JSP, TNP	2,324	5,445	,3979
JSP, TNS	,974	5,388	,7187
JSS, TNP	,972	6,289	,7143
JSS, TNS	-,378	5,209	,8854
TNP, TNS	-1,550	4,552	,5565

Graphique des interactions pour TCRBV01

Effet : Groupe

Barres d'erreur : ± 1,98 Erreur(s) standard

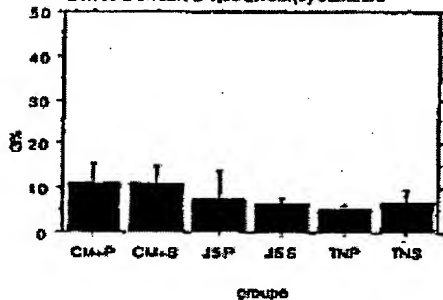


FIGURE 70

10/519950

Tableau ANOVA pour TCRBV02

	ddl	Source des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	2250,846	452,169	12,948	<.0001	81,745	1,000
Residu	78	2658,038	34,078				

Tableau de moyennes pour TCRBV02  
Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	18	18,882	11,485	2,871
CM+S	17	12,334	4,730	1,147
JSP	9	8,816	3,016	1,272
JSS	10	8,401	4,782	1,512
TNP	18	5,498	2,944	,738
TNS	18	4,234	2,115	,529

Test PLSD de Fisher pour TCRBV02

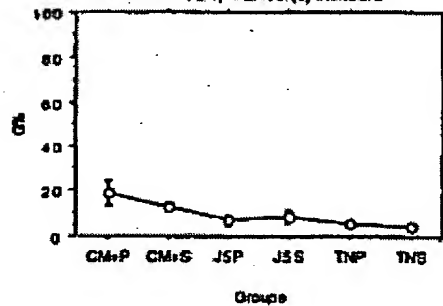
Effet: Groupe

Niveau de significativité: 5 %

	Q1, moy.	Q1, crit.	Valeur p	
CM+P, CM+S	6,546	4,186	,0036	S
CM+P, JSP	11,866	5,020	<.0001	S
CM+P, JSS	10,282	4,658	<.0001	S
CM+P, TNP	13,194	4,259	<.0001	S
CM+P, TNS	14,448	4,259	<.0001	S
CM+S, JSP	3,518	4,868	,0299	S
CM+S, JSS	3,933	4,801	,1069	
CM+S, TNP	6,836	4,186	,0017	S
CM+S, TNS	8,100	4,186	,0002	S
JSP, JSS	-1,585	5,535	,5703	
JSP, TNP	1,918	5,020	,6027	
JSP, TNS	2,682	5,020	,3090	
JSS, TNP	2,803	4,658	,2377	
JSS, TNS	4,187	4,658	,0916	
TNP, TNS	1,284	4,259	,5582	

Courbe des interactions pour TCRBV02  
Effet: Groupe

Barres d'erreur:  $\pm 1,96$  Erreur(s) standard



CM<sup>+</sup> contains J6

TN contains J3, J4

FIGURE 70 (continuing)

10/519950

Tableau ANOVA pour TCRBV03

	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1527,689	305,538	9,429	<.0001	47,145	1,000
Réidu	78	2527,482	32,404				

Tableau de moyennes pour TCRBV03

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	15,669	6,016	1,553
CM+S	17	13,382	7,789	1,869
JSP	8	5,793	1,246	,440
JSS	10	10,189	5,355	1,693
TNP	17	6,590	6,854	1,662
TNS	17	4,402	1,366	,331

Test PLSD de Fisher pour TCRBV03

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	2,271	4,015	,2635
CM+P, JSP	9,870	4,991	,0002
CM+P, JSS	5,474	4,627	,0210
CM+P, TNP	9,073	4,015	<.0001
CM+P, TNS	11,261	4,015	<.0001
CM+S, JSP	7,589	4,659	,0020
CM+S, JSS	3,203	4,516	,1620
CM+S, TNP	6,802	3,887	,0008
CM+S, TNS	8,980	3,887	<.0001
JSP, JSS	-4,398	5,076	,1076
JSP, TNP	-7,787	4,059	,7448
JSP, TNS	1,591	4,859	,5703
JSS, TNP	3,590	4,616	,1167
JSS, TNS	5,787	4,516	,0127
TNP, TNS	2,188	3,667	,2658

Courbe des interactions pour TCRBV03

Effet : Groupe

Barres d'erreur :  $\pm 1,96$  Erreur(s) standard

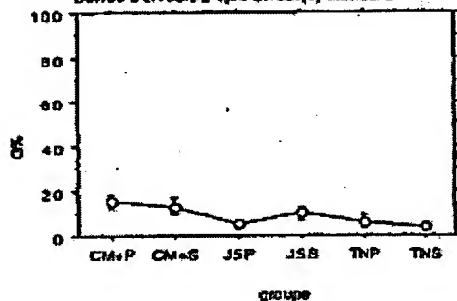


FIGURE 71

10/519950

Tableau ANOVA pour TCRBV04

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	390,352	78,070	1,752	,1328	8,782	,589
Réidu	77	3430,317	44,550				

Tableau de moyennes pour TCRBV04

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	11,824	9,865	2,587
CM+S	17	7,558	3,029	,750
JSP	9	10,018	10,982	3,661
JSS	10	5,395	2,013	,621
TNP	17	8,235	7,874	1,910
TNS	16	5,528	1,724	,431

Test PLSD de Fisher pour TCRBV04

Effet : Groupe  
Niveau de signification : 5 %

	DRL moy.	DRL. crit.	Valeur p
CM+P, CM+S	4,068	4,787	,0953
CM+P, JSP	1,608	5,678	,5744
CM+P, JSS	6,228	5,603	,0270
CM+P, TNP	3,359	4,797	,1635
CM+P, TNS	5,095	4,864	,0147
CM+S, JSP	-2,480	5,479	,3741
CM+S, JSS	2,181	5,287	,4191
CM+S, TNP	-.679	4,559	,7675
CM+S, TNS	2,028	4,828	,2858
JSP, JSS	4,621	6,107	,1360
JSP, TNP	1,781	5,479	,3193
JSP, TNS	4,488	5,538	,1107
JSS, TNP	-2,848	6,287	,2890
JSS, TNS	-.133	6,358	,9607
TNP, TNS	2,707	4,829	,2478

Courbe des interactions pour TCRBV04  
Effet : Groupe  
Barres d'erreur :  $\pm 1,95$  Erreur(s) standard

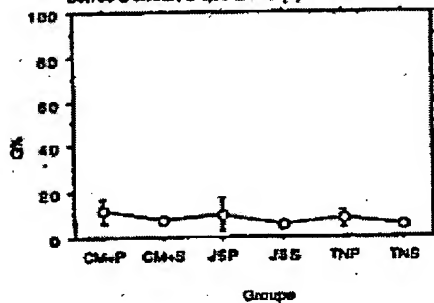


FIGURE 71 (continuing)

10/519950

80/218

Tableau ANOVA pour TCRBV05.1

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Limite	Puissance
Groupe	5	1177,398	235,479	3,028	,0162	15,128	,840
Réidu	55	5058,617	77,625				

Tableau de moyennes pour TCRBV05.1

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	22,742	6,370	2,238
CM+S	15	17,817	5,119	2,086
JSP	7	20,393	9,575	3,733
JSS	8	15,420	6,348	2,953
TNP	13	18,467	12,720	3,529
TNS	14	10,498	4,002	1,070

Test PLSD de Fisher pour TCRBV05.1

Effet : Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	4,925	6,547	,1379
CM+P, JSP	2,348	6,158	,8872
CM+P, JSS	7,312	7,809	,0880
CM+P, TNP	4,276	6,788	,2128
CM+P, TNS	12,244	6,650	,0005
CM+S, JSP	-2,878	6,068	,8258
CM+S, JSS	2,598	7,713	,6385
CM+S, TNP	-.840	6,678	,8488
CM+S, TNS	7,919	6,447	,0280
JSP, JSS	4,964	6,118	,2810
JSP, TNP	1,927	6,260	,8428
JSP, TNS	9,695	6,158	,0182
JSS, TNP	-3,037	7,817	,4884
JSS, TNS	4,031	7,809	,3117
TNP, TNS	7,988	6,788	,0221

Courbe des interactions pour TCRBV05.1

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard

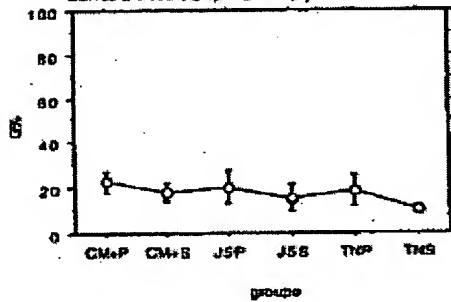


FIGURE 72

10/519950

Tableau ANOVA pour TCRBV05.2

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	916,180	183,236	7,484	<.0001	37,318	.999
Résumé	74	1910,741	24,551				

Tableau de moyennes pour TCRBV05.2  
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	13	16,558	7,814	2,084
CM+S	17	9,926	3,866	,869
JSP	6	17,081	3,750	1,320
JSS	10	8,445	6,726	2,127
TNP	15	11,815	5,086	1,313
TNS	17	6,117	2,021	,492

Test PLSD de Fisher pour TCRBV05.2

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. c+D.	Valeur p.	
CM+P, CM+S	6,632	3,537	,0006	S
CM+P, JSP	-6,522	4,436	,0117	
CM+P, JSS	8,144	4,152	,0002	S
CM+P, TNP	4,745	3,741	,0136	S
CM+P, TNS	8,442	3,637	<.0001	S
CM+S, JSP	-7,165	4,233	,0012	S
CM+S, JSS	1,511	3,935	,4466	
CM+S, TNP	-1,969	3,497	,2554	
CM+S, TNS	1,806	3,356	,2907	
JSP, JSS	8,577	4,693	,0004	S
JSP, TNP	5,277	4,322	,0174	S
JSP, TNS	8,974	4,233	<.0001	S
JSS, TNP	-3,400	4,031	,0970	
JSS, TNS	,206	3,926	,8606	
TNP, TNS	3,697	3,497	,0266	S

Courbe des interactions pour TCRBV05.2  
Effet : Groupe  
Barres d'erreur:  $\pm 1,68$  Erreur(s) standard

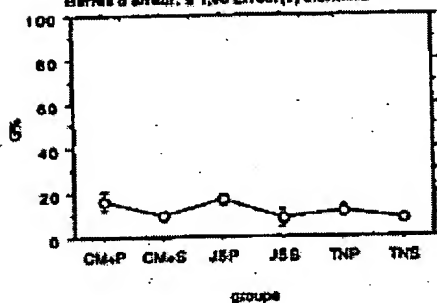


FIGURE 72 (continuing)

10/519950

82/218

Tableau ANOVA pour TCRBV08

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	788,088	157,618	2,447	,0400	12,237	,748
Residu	78	8087,612	64,400				

Tableau de moyennes pour TCRBV08

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	17,007	8,820	2,228
CM+S	17	13,682	9,326	2,284
JSP	8	7,487	2,435	,813
JSS	6	10,375	8,188	2,723
TNP	17	9,357	6,640	1,628
TNS	18	10,441	9,028	2,128

Test PLSD de Fisher pour TCRBV08

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	3,325	5,658	,2457
CM+P, JSP	8,539	6,738	,0081
CM+P, JSS	6,631	6,738	,0535
CM+P, TNP	7,569	6,658	,0087
CM+P, TNS	6,568	6,584	,0218
CM+S, JSP	6,215	6,658	,0640
CM+S, JSS	3,307	6,585	,3208
CM+S, TNP	4,325	6,479	,1201
CM+S, TNS	3,241	6,402	,2360
JSP, JSS	-2,888	7,830	,4444
JSP, TNP	-1,890	6,565	,5804
JSP, TNS	-2,974	6,521	,3668
JSS, TNP	1,018	6,565	,7590
JSS, TNS	-,086	6,521	,9841
TNP, TNS	-1,084	6,402	,6807

Courbe des interactions pour TCRBV08

Effet : Groupe

Barres d'erreur :  $\pm 1,96$  Erreur(s) standard

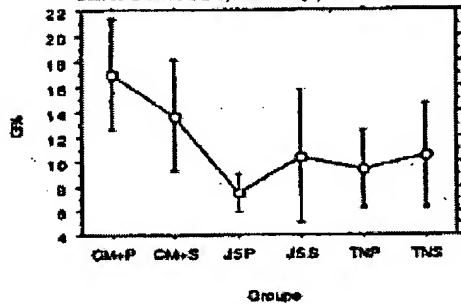


FIGURE 73

Tableau ANOVA pour TCRBV07

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1142,001	228,580	3,381	,0084	15,806	,889
Résidu	79	5372,547	68,007				

Tableau de moyennes pour TCRBV07

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	16	10,250	11,734	3,039
CM+S	17	13,088	9,353	2,002
JSP	9	7,781	3,673	1,224
JSS	10	11,235	7,477	2,395
TNP	18	8,617	5,888	1,498
TNS	16	11,242	8,360	1,971

Test PLSD de Fisher pour TCRBV07

Etat : Groupe

Niveau de signification : 5 %

	Dét. moy.	Dét. crit.	Valeur p
CM+P, CM+S	6,188	5,815	,0374 S
CM+P, JSP	11,489	5,821	,0015 S
CM+P, JSS	8,015	6,701	,0187 S
CM+P, TNP	10,433	5,699	,0007 S
CM+P, TNS	8,008	5,739	,0068 S
CM+S, JSP	5,283	6,767	,1242
CM+S, JSS	1,829	8,542	,8794
CM+S, TNP	4,347	6,717	,1422
CM+S, TNS	1,822	6,551	,6184
JSP, JSS	-3,454	7,542	,3648
JSP, TNP	-1,036	6,836	,7639
JSP, TNS	-3,481	6,701	,3071
JSS, TNP	2,418	6,617	,4661
JSS, TNS	-,007	6,474	,9982
TNP, TNS	-2,425	6,640	,3948

Courbe des interactions pour TCRBV07

Effet : Groupe

Barres d'erreur : 1,68 Erreur(s) standard

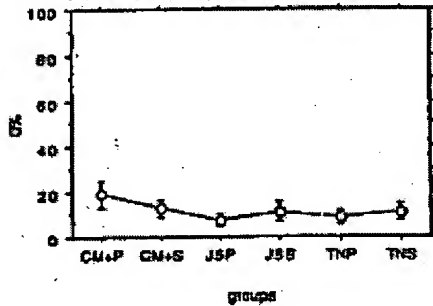


FIGURE 73 (continuing)

10/519950

84/218

Tableau ANOVA pour TCRBV06.1

	ddl	Somme des carrés	Carré moyen	Valeur de P	Valeur de p	Lambda	Puissance
Groupe	5	386,810	77,362	5,005	,0005	25,027	,983
Résidu	78	1157,847	14,856				

Tableau de moyennes pour TCRBV06.1

Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	10,244	4,444	1,188
CM+S	17	10,640	6,391	1,550
JSP	9	6,989	1,829	,543
JSS	10	6,622	2,787	,881
TNP	17	6,881	1,623	,394
TNS	18	6,469	2,592	,611

Test PLSD de Fisher pour TCRBV06.1

Effet: Groupe

Niveau de signification: 5 %

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	-.397	2,750	,8308
CM+P, JSP	3,375	9,258	,0424
CM+P, JSS	3,722	3,155	,0214
CM+P, TNP	3,863	2,750	,0007
CM+P, TNS	4,875	2,715	,0008
CM+S, JSP	3,671	3,141	,0228
CM+S, JSS	4,019	3,037	,0102
CM+S, TNP	3,659	2,614	,0035
CM+S, TNS	6,172	2,577	,0001
JSP, JSS	-.347	1,501	,8442
JSP, TNP	-.288	3,141	,8888
JSP, TNS	1,500	3,111	,3400
JSS, TNP	-.059	3,037	,9883
JSS, TNS	1,154	3,005	,4471
TNP, TNS	1,219	2,677	,3510

Courbe des interactions pour TCRBV06.1

Effet: Groupe

Barres d'erreur:  $\pm 1,36$  Erreur(s) standard

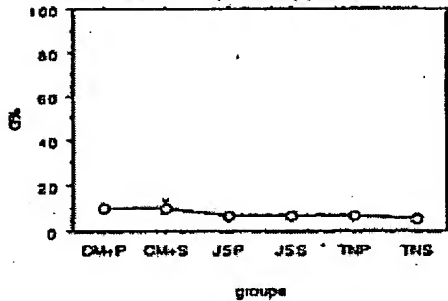


FIGURE 74

10/519950

Tableau ANOVA pour TCRBV08.2

	ddl	Somme des carrés	Carre moyen	Valeur de F	Valeur de p	Limite	Puissance
Groupe	5	150,431	30,086	1,027	,3688	5,486	,384
Réside	78	2138,073	27,424				

Tableau de moyennes pour TCRBV08.2

Effet : Groupe	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	8,586	4,874	1,249
CM+S	17	10,674	7,927	1,923
JSP	8	7,013	2,982	1,054
JSS	10	7,678	4,199	1,328
TNP	17	7,001	3,136	,760
TNS	18	7,644	3,266	1,241

Test PLSD de Fisher pour TCRBV08.2

Effet : Groupe  
Niveau de signification : 5 %

	DM, moy.	DM, crU	Valeur p
CM+P, CM+S	,968	8,783	,8023
CM+P, JSP	1,673	4,521	,4732
CM+P, JSS	1,007	4,317	,3817
CM+P, TNP	2,585	3,753	,1754
CM+P, TNS	1,942	3,715	,3013
CM+S, JSP	2,662	4,470	,2394
CM+S, JSS	2,604	4,165	,1982
CM+S, TNP	3,573	3,576	,9502
CM+S, TNS	2,931	3,526	,1020
JSP, JSS	,394	4,945	,8350
JSP, TNP	,912	4,470	,8556
JSP, TNS	,260	4,430	,9041
JSS, TNP	,677	4,165	,7484
JSS, TNS	,034	4,112	,9867
TNP, TNS	-,643	3,526	,7176

Graphique des interactions pour TCRBV08.2

Effet : Groupe  
Barres d'erreur:  $\pm 1,96$  Erreur(s) standard

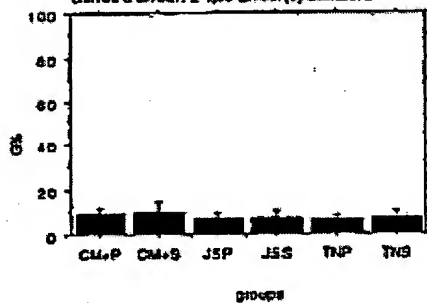


FIGURE 74 (continuing)

10/519950

Tableau ANOVA pour TCRBV08.3

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Libéris	Puissance
Groupe	5	495,165	99,033	3,518	,0094	17,562	,908
Résidu	79	2223,623	28,147				

Tableau de moyennes pour TCRBV08.3  
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	18	9,853	10,118	2,520
CM+S	17	8,560	5,555	1,347
JSP	8	8,072	2,450	,868
JSS	10	3,777	1,722	,546
TNP	17	4,649	2,433	,590
TNS	17	9,743	1,405	,341

Test PLSD de Fisher pour TCRBV08.3

Effet : Groupe

Niveau de signification: 5 %

	Dét. moy.	Dét. crit.	Valeur p
CM+P, CM+S	1,293	3,678	,4554
CM+P, JSP	3,783	4,573	,1036
CM+P, JSS	6,076	4,257	,0057
CM+P, TNP	4,806	3,678	,0086
CM+P, TNS	6,111	3,678	,0014
CM+S, JSP	2,487	4,526	,2778
CM+S, JSS	4,782	4,208	,0265
CM+S, TNP	3,811	3,832	,9507
CM+S, TNS	4,916	3,832	,0088
JSP, JSS	2,295	5,008	,3646
JSP, TNP	1,123	4,628	,8227
JSP, TNS	2,529	4,628	,3091
JSS, TNP	-1,171	4,308	,5911
JSS, TNS	,034	4,208	,9873
TNP, TNS	1,205	5,622	,5097

Graphique des interactions pour TCRBV08.3  
Effet : Groupe

Barres d'erreur: à 1,95 Erreur(s) standard

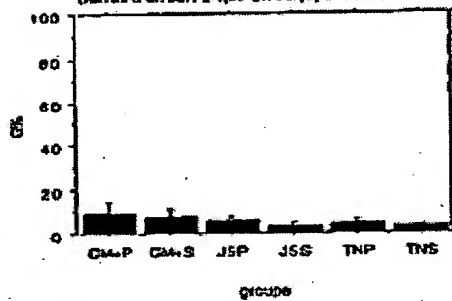


FIGURE 75

10/519950

Tableau ANOVA pour TCRBV08

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	801,658	160,371	1,899	,1088	0,495	,603
Réidu	85	6174,114	84,985				

Tableau de moyennes pour TCRBV08  
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	22,893	12,852	3,459
CM+S	13	19,176	10,554	2,927
JSP	7	20,587	8,381	2,404
JSS	6	12,019	10,703	3,764
TNP	10	18,104	5,480	1,970
TNS	12	14,248	8,373	2,417

Test PLSD de Fisher pour TCRBV08

Effet : Groupe

Niveau de significativité : 5 %

	DHL. moy.	DHL. crit.	Valeur p
CM+P, CM+S	3,817	7,376	,9444
CM+P, JSP	2,126	8,910	,6352
CM+P, JSS	10,875	8,521	,0149
CM+P, TNP	6,589	8,986	,0844
CM+P, TNS	8,446	7,538	,0297
CM+S, JSP	-1,391	8,126	,7618
CM+S, JSS	7,158	8,748	,1070
CM+S, TNP	3,072	7,268	,4017
CM+S, TNS	4,928	7,792	,2110
JSP, JSS	8,549	10,074	,0049
JSP, TNP	4,493	8,821	,3180
JSP, TNS	6,319	9,257	,1776
JSS, TNP	-4,085	8,426	,5368
JSS, TNS	-2,229	8,884	,8180
TNP, TNS	1,855	7,433	,8188

Graphique des interactions pour TCRBV08  
Effet : Groupe  
Barres d'erreur : 1,90 Erreur(s) standard

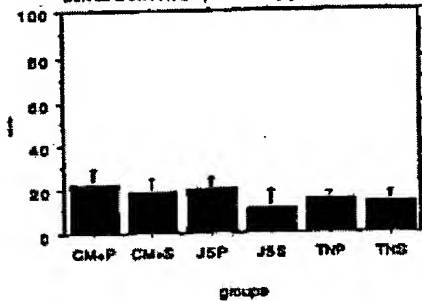


FIGURE 75 (continuing)

10/519950

Tableau ANOVA pour TCRBV10

	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	368,070	73,614	,795	,5588	3,075	,268
Résidu	77	7108,560	92,319				

Tableau de moyennes pour TCRBV10  
Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	16	12,820	17,824	4,408
CM+S	16	8,718	3,804	,976
JSP	8	7,338	8,864	2,218
JSS	8	8,598	8,867	2,058
TNP	16	8,428	7,838	1,910
TNS	17	8,287	4,503	1,092

Test PLSD de Fisher pour TCRBV10

Effet: Groupe

Niveau de signification: 5 %

	DM, moy.	DHL, cri.	Valeur p
CM+P, CM+S	2,902	8,766	,2542
CM+P, JSP	6,284	7,872	,1608
CM+P, JSS	2,024	7,872	,4523
CM+P, TNP	4,183	8,764	,2209
CM+P, TNS	6,829	8,884	,0828
CM+S, JSP	1,382	7,872	,7309
CM+S, JSS	-,678	7,872	,8270
CM+S, TNP	,290	8,764	,9322
CM+S, TNS	2,421	8,884	,4717
JSP, JSS	-2,260	9,019	,5193
JSP, TNP	-1,082	7,872	,7859
JSP, TNS	1,039	7,887	,7638
JSS, TNP	1,168	7,872	,7712
JSS, TNS	3,288	7,887	,4075
TNP, TNS	2,131	8,884	,5263

Graphique des interactions pour TCRBV10

Effet: Groupe

Barres d'erreur: ± 1,88 Erreur(s) standard

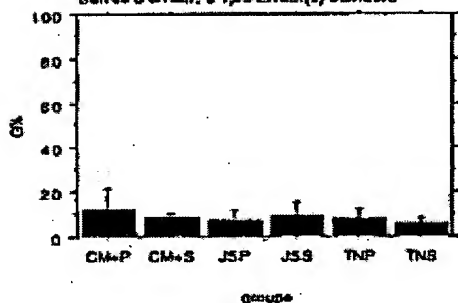


FIGURE 76

10/519950

Tableau ANOVA pour TCRBV11

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	6	328,172	54,694	3,116	,0132	15,578	,857
Résidu	74	1549,359	20,938				

Tableau de moyennes pour TCRBV11

Etat : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	10,370	5,355	1,380
CM+S	15	11,571	4,874	1,188
JSP	8	9,500	5,323	,921
JSS	8	10,472	5,320	1,150
TNP	10	9,831	4,825	1,158
TNS	10	9,508	4,958	1,239

Test PLSD de Fisher pour TCRBV11

Etat : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. err.	Valeur p
CM+P, CM+S	2,769	3,277	,0029
CM+P, JSP	5,870	3,992	,0045
CM+P, JSS	5,898	3,944	,0470
CM+P, TNP	5,439	3,277	,0015
CM+P, TNS	4,864	3,277	,0042
CM+S, JSP	3,071	2,948	,1255
CM+S, JSS	1,098	3,799	,5683
CM+S, TNP	2,840	3,223	,1070
CM+S, TNS	2,064	3,223	,2059
JSP, JSS	-1,972	4,430	,3776
JSP, TNP	-.431	3,948	,8294
JSP, TNS	-1,006	3,948	,6130
JSS, TNP	1,541	3,799	,4214
JSS, TNS	,986	3,799	,6139
TNP, TNS	-.575	3,223	,7231

Graphique des interactions pour TCRBV11

Etat : Groupe

Barres d'erreur : 1,38 Erreur(1) standard

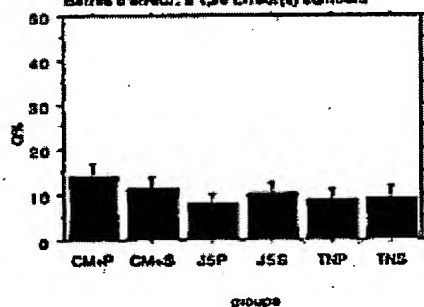


FIGURE 76 (continuing)

10/519950

Tableau ANOVA pour TCRBV12

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	440,190	88,038	1,802	.1038	0,510	.610
Résidu	78	3517,057	45,277				

Tableau de moyennes pour TCRBV12  
Effet : Groupe

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	13	20,705	10,267	2,848
CM+S	10	21,480	5,750	1,438
JSP	8	21,202	7,031	2,544
JSS	10	20,210	3,361	1,063
TNP	17	19,440	4,773	1,158
TNS	17	22,585	7,476	1,813

Test PLSD de Fisher pour TCRBV12

Effet : Groupe

Niveau de signification : 5 %

	Dev. moy.	Dev. crit.	Valeur p
CM+P, CM+S	5,218	5,030	.0435
CM+P, JSP	5,504	5,275	.0559
CM+P, JSS	8,296	5,698	.0308
CM+P, TNP	7,266	4,992	.0049
CM+P, TNS	4,121	4,992	.1049
CM+S, JSP	.288	5,845	.9194
CM+S, JSS	1,020	5,482	.8949
CM+S, TNP	3,050	4,719	.3597
CM+S, TNS	-1,095	4,719	.6454
JSP, JSS	.782	5,725	.8006
JSP, TNP	1,762	5,585	.3216
JSP, TNS	-1,363	5,585	.5234
JSS, TNP	.870	5,400	.7216
JSS, TNS	-2,176	5,400	.4249
TNP, TNS	-3,145	4,647	.1617

Graphique des interactions pour TCRBV12

Effet : Groupe

Barres d'erreur :  $\pm 1,96$  Erreur(s) standard

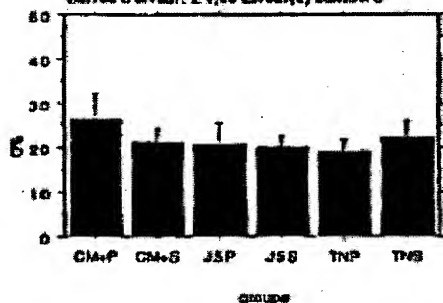


FIGURE 77

10/519950

91/218

Tableau ANOVA pour TCRBV13

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	271,884	54,333	1,661	,1545	6,308	,541
Résidu	75	2453,157	32,709				

Tableau de moyennes pour TCRBV13

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	12,037	6,667	1,755
CM+S	17	8,220	2,776	,673
JSP	8	12,000	6,018	2,005
JSS	8	11,132	8,742	2,030
TNP	18	10,618	6,086	2,014
TNS	17	7,400	4,551	1,007

Test PLSD de Fisher pour TCRBV13

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. cr.	Valeur p
CM+P, CM+S	3,417	4,112	,020
CM+P, JSP	,837	4,668	,781
CM+P, JSS	1,508	5,049	,056
CM+P, TNP	2,021	4,180	,353
CM+P, TNS	5,237	4,112	,012
CM+S, JSP	-2,780	4,667	,242
CM+S, JSS	-1,012	4,885	,430
CM+S, TNP	-1,386	3,880	,483
CM+S, TNS	1,821	2,600	,353
JSP, JSS	,868	6,536	,787
JSP, TNP	1,384	4,747	,530
JSP, TNS	4,601	4,667	,054
JSS, TNP	,817	4,935	,853
JSS, TNS	3,733	4,665	,181
TNP, TNS	3,210	3,660	,110

Graphique des interactions pour TCRBV13

Effet : Groupe

Barres d'erreur : ± 1,06 Erreur(s) standard

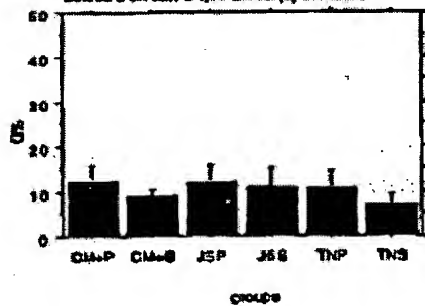


FIGURE 77 (continuing)

10/519950

Tableau ANOVA pour TCRBY14

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	212,067	42,413	2,853	,0207	14,265	,818
Réidu	74	1100,086	14,865				

Tableau de moyennes pour TCRBY14

Etat: Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	15	8,809	7,302	1,885
CM+S	15	7,351	3,241	,837
JSP	8	6,045	1,248	,440
JSS	8	5,940	1,001	,354
TNP	18	5,738	2,556	,639
TNS	17	5,179	2,185	,532

Test FLED de Fisher pour TCRBY14

Etat: Groupe

Niveau de signification: 5 %

	Dév. moy.	DDI. crit.	Valeur p
CM+P, CM+S	2,258	2,805	,1130
CM+P, JSP	3,364	3,383	,0391
CM+P, JSS	4,489	3,383	,0075
CM+P, TNP	3,870	2,751	,0066
CM+P, TNS	4,429	2,722	,0018
CM+S, JSP	1,306	3,383	,4417
CM+S, JSS	2,210	3,383	,1761
CM+S, TNP	1,812	2,751	,3484
CM+S, TNS	2,171	2,722	,1181
JSP, JSS	,905	0,722	,6305
JSP, TNP	,908	2,327	,6549
JSP, TNS	,865	2,284	,6020
JSS, TNP	-,558	3,201	,7108
JSS, TNS	-,058	3,167	,9805
TNP, TNS	,560	2,678	,6782

Graphique des interactions pour TCRBY14

Etat: Groupe

Données d'erreur: > 1,96 Erreur(s) standard

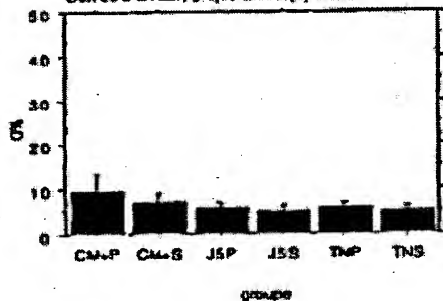


FIGURE 78

10/519950

Tableau ANOVA pour TCRBV16

Effet	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Liberté	Puissance
Groupe	8	392,519	78,504	8,849	,0031	18,747
Résidu	75	1490,004	19,877			

Tableau de moyennes pour TCRBV16

Effet : Groupe	Nombre	Moyenne	Dév. Std.	Er. Std.
CM+P	13	11,151	7,397	2,022
CM+S	17	8,187	6,514	1,580
JSP	7	8,730	1,847	,523
JSS	10	8,026	1,858	,587
TNP	17	8,702	2,088	,502
TNS	17	4,728	1,904	,462

Test PLSD de Fisher pour TCRBV16

Effet : Groupe  
Niveau de significativité : 5 %

	CM+P	CM+S	JSP	JSS	TNP	TNS
CM+P, CM+S	2,984	3,272	,0733			
CM+P, JSP	5,431	4,184	,0114			
CM+P, JSS	5,524	8,730	,0043			
CM+P, TNP	5,448	3,272	,0014			
CM+P, TNS	8,422	3,272	,0002			
CM+S, JSP	2,437	3,889	,2274			
CM+S, JSS	2,541	3,540	,1509			
CM+S, TNP	2,405	3,046	,1112			
CM+S, TNS	2,438	3,046	,0278			
JSP, JSS	,104	4,377	,8825			
JSP, TNP	,028	3,689	,9588			
JSP, TNS	1,001	3,089	,8184			
JSS, TNP	-,078	3,540	,9852			
JSS, TNS	,896	3,540	,8149			
TNP, TNS	,873	3,046	,5284			

Graphique des interactions pour TCRBV16

Effet : Groupe  
Echelle d'axe : 1,98 Erreur(s) standard

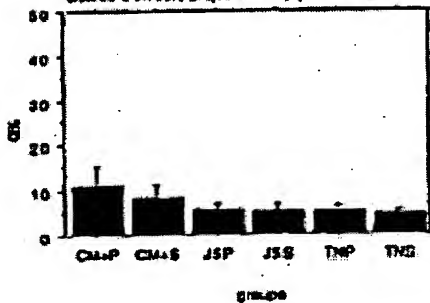


FIGURE 78 (continuing)

10/519950

Tableau ANOVA pour TCPBVI6

	df	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Erreur	Puissance
Groupe	5	953,378	190,676	4,979	,0003	24,888	,992
Résidu	77	3072,420	39,902				

Tableau de moyennes pour TCPBVI6  
 Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	10,316	5,773	1,749
CM+S	17	11,658	7,897	1,945
JSP	8	8,828	4,243	1,414
JSS	10	11,178	11,924	3,771
TNP	16	8,374	1,705	,426
TNS	10	5,747	1,577	,386

Test PLSD de Fisher pour TCPBVI6

Effet : Groupe

Niveau de signification : 5 %

	OML moy.	OML coll.	Valeur p
CM+P, CM+S	3,650	4,488	,1070
CM+P, JSP	6,487	8,203	,0173
CM+P, JSS	4,138	5,138	,1129
CM+P, TNP	8,940	4,521	,0002
CM+P, TNS	6,587	4,521	,0001
CM+S, JSP	2,827	5,185	,3763
CM+S, JSS	4,88	5,013	,8478
CM+S, TNP	5,281	4,381	,0166
CM+S, TNS	5,017	4,381	,0088
JSP, JSS	-2,351	5,779	,4202
JSP, TNP	2,483	5,741	,8542
JSP, TNS	3,080	8,741	,2455
JSS, TNP	4,605	5,070	,0629
JSS, TNS	5,432	5,070	,0081
TNP, TNS	,827	4,447	,7787

Graphique des interactions pour TCPBVI6

Effet : Groupe

Barres d'erreur : ± 1,96 Erreur(s) standard

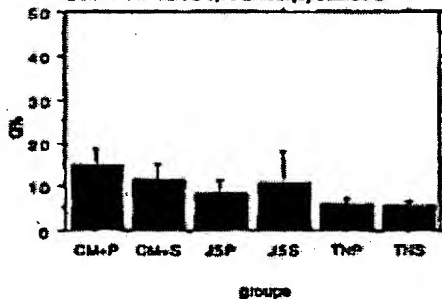


FIGURE 79

10/519950

Tableau ANOVA pour TCRBV18

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1233,374	246,675	5,074	,0005	25,371	,984
Rédu	74	3507,380	48,613				

Tableau de moyennes pour TCRBV18  
Effet : Groupe

	Nombre	Moyenne	Dét. Std.	Est. Std.
CM+P	13	20,499	10,847	3,008
CM+S	17	16,442	6,852	1,698
JSP	8	12,542	4,375	1,458
JSS	10	13,209	9,920	3,108
TNP	14	9,626	3,391	,809
TNS	17	8,211	3,882	,941

Test PLSD de Fisher pour TCRBV18

Effet : Groupe

Niveau de signification : 5 %

	Dét. moy.	Dét. cr.	Valeur p
CM+P, CM+S	5,057	5,118	,0527
CM+P, JSP	8,159	4,024	,0006
CM+P, JSS	6,991	5,244	,0187
CM+P, TNP	10,871	6,251	,0001
CM+P, TNS	11,983	5,118	,0001
CM+S, JSP	3,101	3,727	,2842
CM+S, JSS	1,834	5,537	,4887
CM+S, TNP	5,814	8,014	,0238
CM+S, TNS	6,231	4,765	,0111
JSP, JSS	-1,157	6,383	,7188
JSP, TNP	3,713	5,838	,2854
JSP, TNS	3,130	5,727	,2787
JSS, TNP	3,680	8,762	,1830
JSS, TNS	4,287	6,637	,1362
TNP, TNS	,617	5,014	,8589

Graphique des interactions pour TCRBV18  
Effet : Groupe  
Barres d'erreur à 1,96 Erreur(s) standard

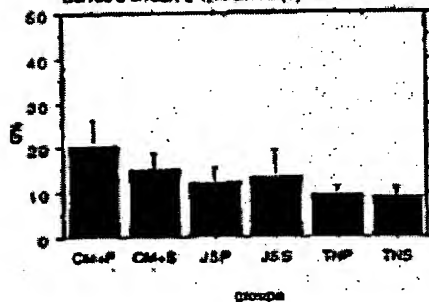


FIGURE 79 (continuing)

10/519950

Tableau ANOVA pour TCRBV20

	SS	Nombre des carrés	Carré moyen	Valeur de F	Valeur de p	Erreur	Puissance
Groupe	5	747,883	149,537	3,122	,0128	16,808	,860
Résidu	78	3738,485	47,904				

Tableau de moyennes pour TCRBV20  
Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Er. Std.
CM-P	14	18,650	12,893	3,392
CM-S	17	12,700	8,534	1,865
JSP	8	10,633	4,158	1,398
JSS	10	11,711	5,365	1,697
TNP	17	12,678	4,698	1,158
TNS	17	11,168	5,593	,971

Test PLSD de Fisher pour TCRBV20

Effet : Groupe

Niveau de signification : 5 %

	Diff. moy.	Diff. crit.	Valeur p	
CM-P, CM-S	6,950	4,973	,0088	G
CM-P, JSP	8,116	5,887	,0028	B
CM-P, JSS	7,938	5,765	,0070	B
CM-P, TNP	6,074	4,973	,0068	B
CM-P, TNS	6,482	4,973	,0011	C
CM-S, JSP	2,167	5,880	,4468	
CM-S, JSS	,880	5,481	,7388	
CM-S, TNP	,026	4,726	,9417	
CM-S, TNS	1,822	4,726	,5206	
JSP, JSS	-1,177	6,321	,7122	
JSP, TNP	-2,142	5,680	,4551	
JSP, TNS	-,835	5,080	,8245	
JSS, TNP	-,885	5,481	,7278	
JSS, TNS	,542	5,481	,8446	
TNP, TNS	1,507	4,726	,5874	

Graphique des interactions pour TCRBV20

Effet : Groupe

Barres d'erreur : ± 1,96 Erreur(s) standard

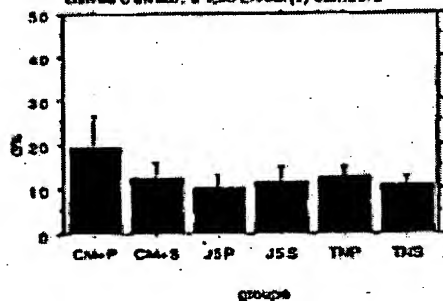


FIGURE 80

10/519950

Paramètres du pic à récupérer

Taille 216  
Natu **TCRBY 52**  
Ecrit 13

Paramètres des fichiers à utiliser

	Classeur	Feuille	Groupe	Nature	Remarque
1	DataFormater OG/009 v1.01	Data.1	1	RT11	
2	DataFormater OG/008 v1.03	Data.2	1	RT12	
3	DataFormater OG/007 v1.04	Data.3	1	RT13	
4	DataFormater OG/009 v1.01	Data.2	1	RT14	
5	DataFormater OG/008 v1.03	Data.3	1	RT15	
6	DataFormater OG/005.4 v1.01	Data.3	1	RT28	
7	DataFormater OG/009 v1.01	Data.3	1	RT29	
8	DataFormater OG/003 v1.01	Data.2	1	RT30	
9	DataFormater OG/003 v1.01	Data.3	1	RT31	
29	DataFormater OG/019 v1.04	Data.3	2	RS21	
30	DataFormater OG/020 v1.01	Data.2	2	RS22	
31	DataFormater OG/022 v1.04	Data.1	2	RS23	
32	DataFormater OG/021 v1.04	Data.2	2	RS24	
33	DataFormater OG/022 v1.04	Data.2	2	RS25	
19	DataFormater OG/015 v1.04	Data.2	3	R3*16	
20	DataFormater OG/019 v1.04	Data.1	3	R3*17	
21	DataFormater OG/016 v1.04	Data.2	3	R3*18	
22	DataFormater OG/019 v1.04	Data.2	3	R3*19	
23	DataFormater OG/017 v1.01	Data.2	3	R3*20	
39	DataFormater OG/010 v1.04	Data.2	4	R3*S06	
40	DataFormater OG/013 v1.04	Data.1	4	R3*S07	
41	DataFormater OG/011 v1.04	Data.2	4	R3*S08	
42	DataFormater OG/013 v1.04	Data.2	4	R3*S09	
43	DataFormater OG/012 v1.04	Data.2	4	R3*S10	

FIGURE 81

10/519950

AC IDA v1.06 R sans Vb19

Score RT		Score RS		Score R3*		Score R3'S	
TCRBV15 :174	0,16	TCRBV08.1 :231	0,32	TCRBV15 :174	0,15	TCRBV15 :174	0,15
TCRBV15 :177	0,15	TCRBV15 :174	0,19	TCRBV15 :177	0,13	TCRBV15 :177	0,13
TCRBV10 :167	0,14	TCRBV05.2 :216	0,18	TCRBV05.2 :216	0,12	TCRBV05.2 :216	0,12
TCRBV16 :148	0,11	TCRBV10 :136	0,15	TCRBV05.2 :213	0,10	TCRBV05.2 :213	0,10
TCRBV15 :171	0,10	TCRBV15 :177	0,14	TCRBV05.1 :228	0,09	TCRBV05.1 :228	0,09
TCRBV05.2 :216	0,10	TCRBV05.1 :225	0,14	TCRBV08.1 :231	0,08	TCRBV08.1 :231	0,08
TCRBV16 :151	0,08	TCRBV05.1 :222	0,13	TCRBV15 :171	0,08	TCRBV15 :171	0,08
TCRBV14 :168	0,09	TCRBV05.2 :219	0,13	TCRBV05.1 :225	0,08	TCRBV05.1 :225	0,08

Score RT		Score RS		Score R3*		Score R3'S	
TCRBV01	7,22	TCRBV01	5,99	TCRBV01	6,13	TCRBV01	6,13
TCRBV02	3,49	TCRBV02	6,01	TCRBV02	16,28	TCRBV02	16,28
TCRBV03	15,85	TCRBV03	18,02	TCRBV03	17,95	TCRBV03	17,95
TCRBV04	13,12	TCRBV04	29,63	TCRBV04	24,86	TCRBV04	24,86
TCRBV05.1	9,42	TCRBV05.1	12,10	TCRBV05.1	12,44	TCRBV05.1	12,44
TCRBV05.2	7,40	TCRBV05.2	12,37	TCRBV05.2	6,61	TCRBV05.2	6,61
TCRBV06	13,04	TCRBV06	6,49	TCRBV06	4,57	TCRBV06	4,57
TCRBV07	2,40	TCRBV07	18,20	TCRBV07	5,88	TCRBV07	5,88
TCRBV08.1	13,38	TCRBV08.1	21,83	TCRBV08.1	14,72	TCRBV08.1	14,72
TCRBV08.2	4,50	TCRBV08.2	6,26	TCRBV08.2	5,98	TCRBV08.2	5,98
TCRBV08.3	15,74	TCRBV08.3	18,39	TCRBV08.3	23,49	TCRBV08.3	23,49
TCRBV09	6,93	TCRBV09	11,33	TCRBV09	11,69	TCRBV09	11,69
TCRBV10	7,36	TCRBV10	7,88	TCRBV10	5,97	TCRBV10	5,97
TCRBV11	14,78	TCRBV11	14,66	TCRBV11	8,34	TCRBV11	8,34
TCRBV12	11,25	TCRBV12	10,17	TCRBV12	12,27	TCRBV12	12,27
TCRBV13	3,28	TCRBV13	8,20	TCRBV13	6,43	TCRBV13	6,43
TCRBV14	7,85	TCRBV14	8,52	TCRBV14	9,27	TCRBV14	9,27
TCRBV15	17,11	TCRBV15	15,19	TCRBV15	13,97	TCRBV15	13,97
TCRBV16	15,28	TCRBV16	11,24	TCRBV16	15,53	TCRBV16	15,53
TCRBV17	11,82	TCRBV17	16,43	TCRBV17	11,61	TCRBV17	11,61

FIGURE 82

AC : DA v1.05 F sans Vb19

para

AC → OG

Paramètres du plc à récupérer

Analyse foie

Taille 216

Nature **FT**

Écrit 13

Paramètres des fichiers à utiliser

	Classeur	Fichier	Groupe	Nature	Remarque
10	DataFormater OG/006 v1.01	Data.1	1	FT11	
11	DataFormater OG/006 v1.01	Data.2	1	FT12	
12	DataFormater OG/007 v1.04	Data.1	1	FT13	
13	DataFormater OG/007 v1.04	Data.2	1	FT14	
14	DataFormater OG/008 v1.03	Data.1	1	FT15	
15	DataFormater OG/003 v1.01	Data.1	1	FT26	
16	DataFormater OG/005.4 v1.01	Data.1	1	FT27	
17	DataFormater OG/005.4 v1.01	Data.2	1	FT28	
18	DataFormater OG/006 v1.01	Data.3	1	FT29	
24	DataFormater OG/015 v1.04	Data.1	2	F3*16	
25	DataFormater OG/015 v1.04	Data.3	2	F3*17	
26	DataFormater OG/016 v1.04	Data.1	2	F3*18	
27	DataFormater OG/016 v1.04	Data.3	2	F3*19	
28	DataFormater OG/017 v1.01	Data.1	2	F3*20	
34	DataFormater OG/017 v1.01	Data.3	3	FS21	
35	DataFormater OG/020 v1.01	Data.1	3	FS22	
36	DataFormater OG/020 v1.01	Data.3	3	FS23	
37	DataFormater OG/021 v1.04	Data.1	3	FS24	
38	DataFormater OG/021 v1.04	Data.3	3	FS25	
44	DataFormater OG/012 v1.04	Data.3	4	F3*S01	
45	DataFormater OG/033 v1.04	Data.3	4	F3*S02	
46	DataFormater OG/014 v1.01	Data.1	4	F3*S03	
47	DataFormater OG/014 v1.01	Data.2	4	F3*S04	
48	DataFormater OG/014 v1.01	Data.3	4	F3*S05	
49	DataFormater OG/010 v1.04	Data.1	4	F3*S06	
50	DataFormater OG/010 v1.04	Data.3	4	F3*S07	
51	DataFormater OG/011 v1.04	Data.1	4	F3*S08	
52	DataFormater OG/011 v1.04	Data.3	4	F3*S09	
53	DataFormater OG/012 v1.04	Data.1	4	F3*S10	

FIGURE 83

10/519950

Classement selon le score d'oligoclonalité pour chacun des groupes

Score FT	Score F3	Score F5	Score F3'S
TCRBV19:114	0,31	TCRBV05.1:222	1,23
TCRBV19:161	0,29	TCRBV05.1:225	0,82
TCRBV08.1:231	0,17	TCRBV08.1:231	0,39
TCRBV18:151	0,14	TCRBV08.1:234	0,33
TCRBV08.1:234	0,12	TCRBV05.1:228	0,29
TCRBV05.1:225	0,12	TCRBV05.2:216	0,21
TCRBV05.2:218	0,10	TCRBV05.2:219	0,20
TCRBV08.1:228	0,10	TCRBV08.1:228	0,18
TCRBV05.1:228	0,10	TCRBV05.2:219	0,17
TCRBV05.2:216	0,09	TCRBV16:148	0,14
TCRBV10:138	0,09	TCRBV10:138	0,12
TCRBV10:138	0,08	TCRBV20:152	0,11
TCRBV05.1:222	0,08	TCRBV10:141	0,10
TCRBV10:141	0,07	TCRBV05.2:213	0,10
TCRBV05.2:222	0,06	TCRBV13:168	0,10
TCRBV18:168	0,06	TCRBV15:174	0,09
TCRBV18:169	0,06	TCRBV10:135	0,09
TCRBV04:198	0,05	TCRBV16:145	0,09
TCRBV12:204	0,05	TCRBV14:158	0,09
TCRBV12:204	0,05	TCRBV09:147	0,08
TCRBV13:168	0,05	TCRBV05.2:222	0,08
TCRBV01:176	0,05	TCRBV10:151	0,08
TCRBV15:174	0,05	TCRBV20:155	0,08
TCRBV03:163	0,05	TCRBV15:177	0,08
TCRBV10:135	0,05	TCRBV08.2:228	0,08
TCRBV02:168	0,05	TCRBV03:153	0,08
TCRBV12:207	0,05	TCRBV13:165	0,07
TCRBV02:161	0,05	TCRBV20:149	0,07
TCRBV14:158	0,05	TCRBV16:151	0,08
TCRBV13:165	0,05	TCRBV08.1:231	0,07
TCRBV15:177	0,04	TCRBV02:158	0,07
TCRBV04:195	0,04	TCRBV14:151	0,07
TCRBV05.1:231	0,04	TCRBV20:149	0,07
TCRBV20:152	0,04	TCRBV01:179	0,07
TCRBV20:155	0,04	TCRBV08.1:228	0,07
TCRBV08.2:228	0,04	TCRBV12:207	0,07
TCRBV01:173	0,04		
TCRBV06:146	0,04		
		TCRBV10:138	0,22
		TCRBV15:177	0,21
		TCRBV13:168	0,20
		TCRBV08:153	0,20
		TCRBV05.2:216	0,20
		TCRBV05.1:225	0,17
		TCRBV01:176	0,16
		TCRBV10:141	0,15
		TCRBV09:147	0,15
		TCRBV05.2:213	0,14
		TCRBV15:174	0,13
		TCRBV05.2:218	0,12
		TCRBV01:173	0,11
		TCRBV08:146	0,11
		TCRBV08.1:231	0,11
		TCRBV05.1:228	0,11
		TCRBV05.1:231	0,11
		TCRBV13:165	0,10
		TCRBV08:150	0,10
		TCRBV10:135	0,10
		TCRBV06:149	0,09
		TCRBV09:144	0,08
		TCRBV15:171	0,08
		TCRBV11:154	0,08
		TCRBV14:158	0,08
		TCRBV01:170	0,08
		TCRBV08.1:228	0,07
		TCRBV07:180	0,07
		TCRBV08.1:234	0,07
		TCRBV06:143	0,07
		TCRBV05.1:222	0,07
		TCRBV14:181	0,06
		TCRBV03:156	0,06
		TCRBV08.2:228	0,06
		TCRBV07:183	0,06

FIGURE 84

10/519950

Cases	Group	S	TCRE	Organe	
RT3	1		0,00	{	F = foie
RT4	1		0,00		R = rate
RT5	1		0,00	{	T = témoin
RT6	1		0,00		S = directement infecté
R11	1		0,00		3* = immunisé 3 fois
R12	1		0,00		3*S = immunisé 3 fois,
R13	1		0,00		puis infecté !
R14	1		0,00		
R15	1		0,00		
RS21	2		0,00		
RS22	2		0,00		
RS23	2		0,00		
RS24	2		0,00		
RS25	2		0,00		
R3*16	3		0,00	{	
R3*17	3		0,00		
R3*18	3		0,00		
R3*19	3		0,00		
R3*17	3		0,00		
R3*S6	4		0,00		
R3*S7	4		0,00		
R3*S8	4		0,00		
R3*S9	4		0,00		
R3*S10	4		0,00		
FT26	5		0,00		
FT27	5		0,00		
FT28	5		0,00		
FT11	5		0,00		
FT29	5		0,00		
FT12	5		0,87		
FT13	5		0,00		
FT14	5		2,61		
FT15	5		0,00		
FS21	6		2,16		
FS22	6		0,00		
FS23	6		3,29		
FS24	6		0,00		
FS25	6		0,00		
F3*16	7		0,00		
F3*17	7		0,00		
F3*18	7		0,00		
F3*19	7		0,00		
F3*20	7		0,00		
F3*S1	8		0,00		
F3*S2	8		0,00		
F3*S3	8		0,00		
F3*S4	8		0,00		
F3*S5	8		0,00		
F3*S6	8		0,00		
F3*S7	8		0,00		
F3*S8	8		0,00		
F3*S9	8		0,00		
F3*S10	8		0,00		

FIGURE 85

10/519950

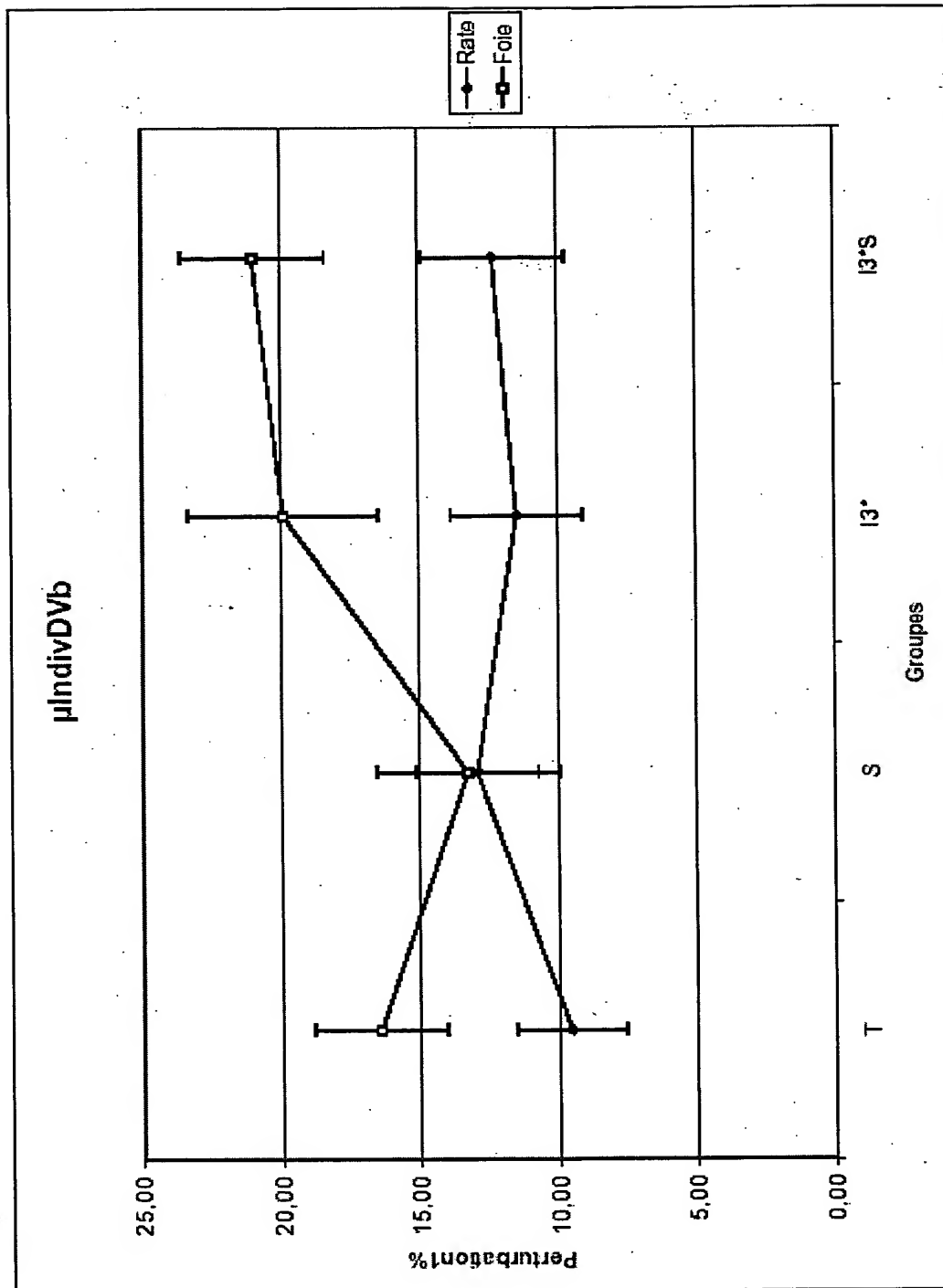


FIGURE 86

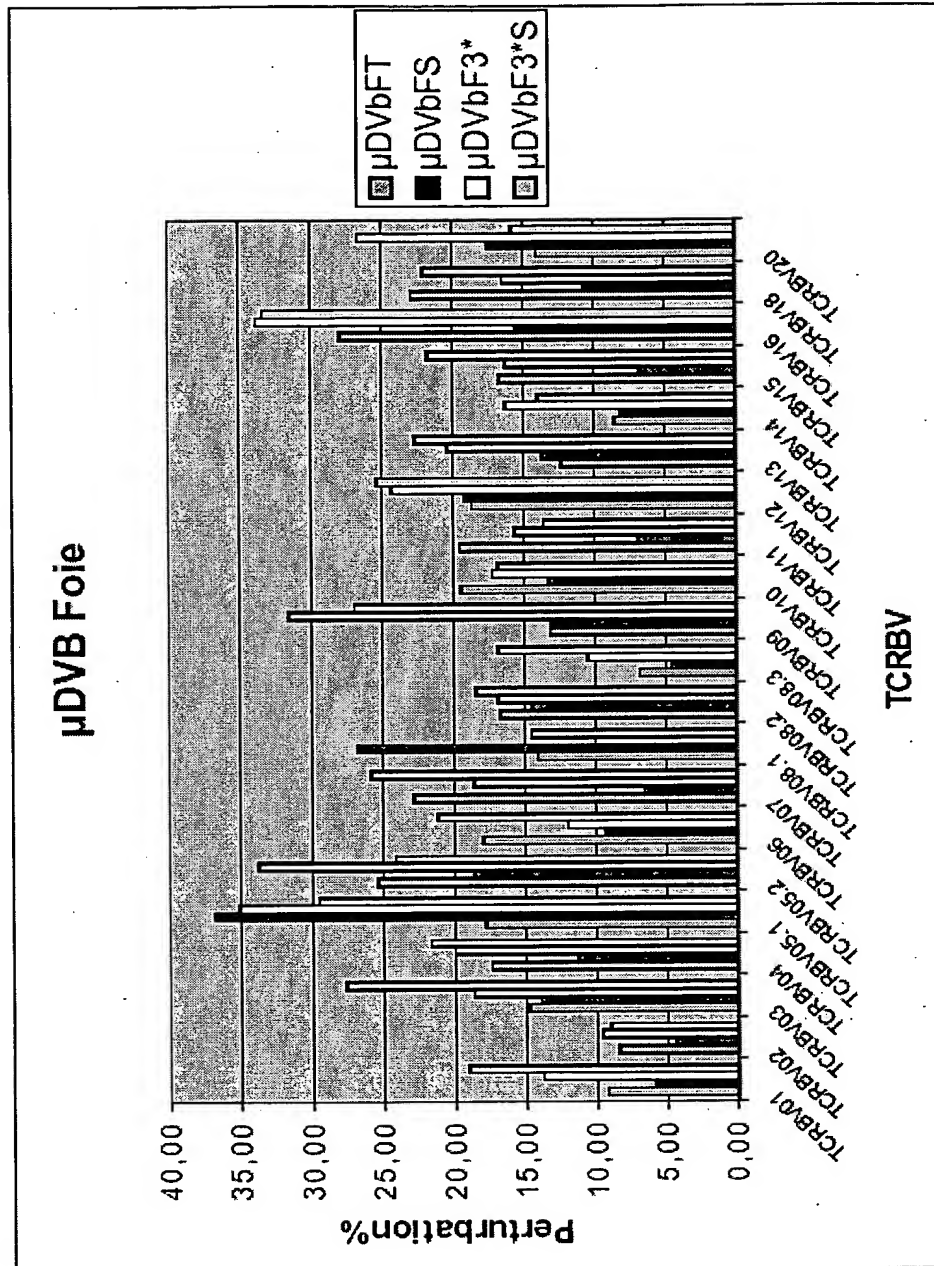


FIGURE 87

10/519950

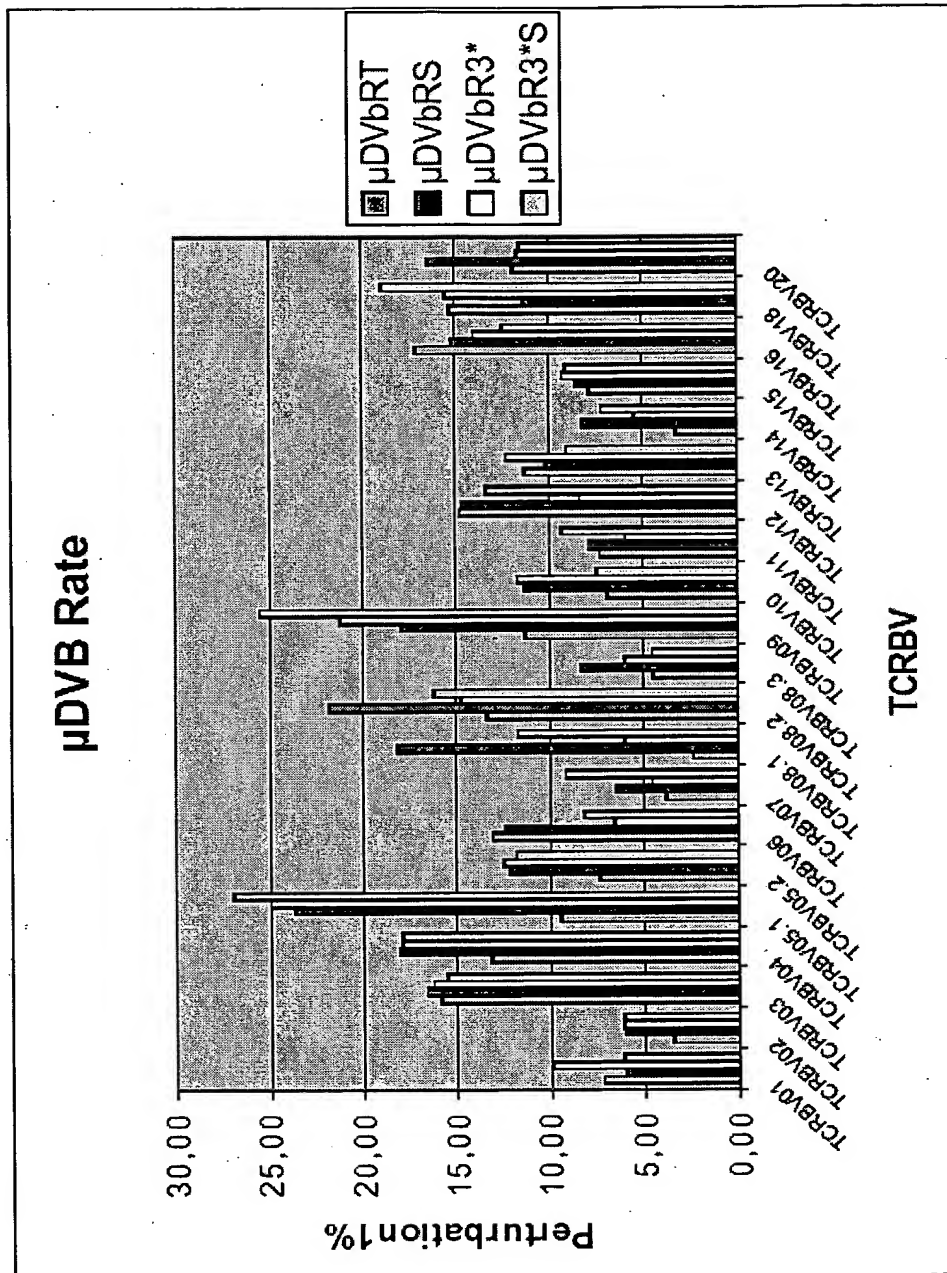


FIGURE 88

Tableau ANOVA pour TCRBV01

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	301,294	100,431	1,066	,3734	3,197	,262
Organe	1	345,472	345,472	3,666	,0021	3,666	,451
Groupe * Organe	3	277,666	92,555	,982	,4039	2,846	,243
Résidu	44	4146,839	94,248				

Tableau de moyennes pour TCRBV01  
 Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	7,222	8,452	2,817
T, F	8	8,872	8,703	3,077
S, R	5	5,986	1,464	,655
S, F	5	7,907	,810	,362
I3*, R	5	9,871	9,730	4,352
I3*, F	5	14,896	11,284	5,046
I3*S, R	5	6,113	3,748	1,676
I3*S, F	10	19,010	15,238	4,819

Test PLSD de Fisher pour TCRBV01

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	1,047	7,797	,7879
T, I3*	-4,385	7,797	,2631
T, I3*S	-6,713	6,631	,0573
S, I3*	-5,433	8,750	,2174
S, I3*S	-7,780	7,988	,0586
I3*, I3*S	-2,328	7,888	,5600

Test PLSD de Fisher pour TCRBV01

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-0,109	5,443	,0267

Courbe des interactions pour TCRBV01

Effet : Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

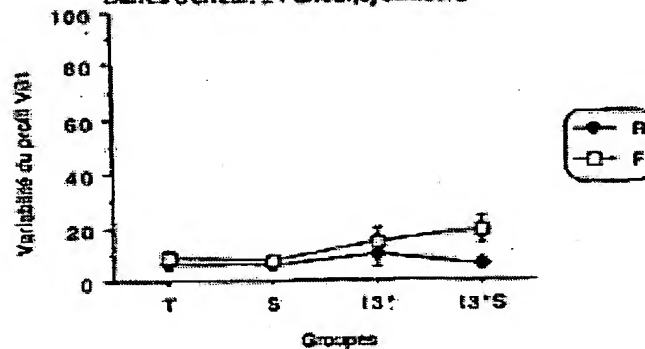


FIGURE 89

10/519950

Tableau ANOVA pour TCRBV02

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	58,308	19,769	1,701	,1647	5,343	,422
Organe	1	113,912	113,912	10,262	,0025	10,262	,897
Groupe * Organe	3	56,871	18,957	1,708	,1782	5,123	,408
Résumé	44	488,432	11,101				

Tableau de moyennes pour TCRBV02  
Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	3,480	2,263	,751
T, F	8	6,657	5,551	1,963
S, R	5	6,006	2,337	1,045
S, F	5	5,307	1,484	,884
13*, R	5	6,135	1,630	,728
13*, F	5	10,072	3,988	1,775
13*S, R	5	6,090	2,025	,906
13*S, F	10	10,022	2,518	1,113

Test PLSD de Fisher pour TCRBV02

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	,285	2,676	,8426
T, 13*	-2,181	2,676	,1075
T, 13*S	-2,700	2,379	,0226 S
S, 13*	-2,247	3,003	,1077
S, 13*S	-3,055	2,741	,0288 S
13*, 13*S	-,608	2,741	,6570

Test PLSD de Fisher pour TCRBV02

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-3,682	1,868	,0003 S

Courbe des interactions pour TCRBV02

Effet : Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

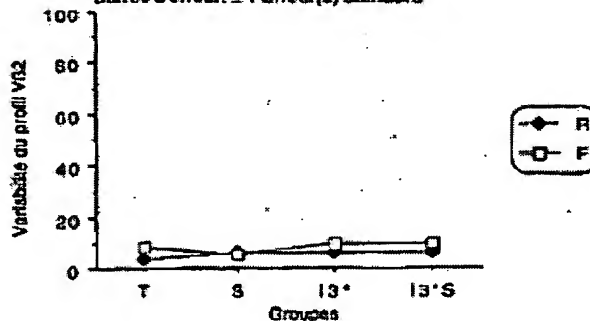


FIGURE 89 (continuing)

Tableau ANOVA pour TCRBV05.1

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	2329,744	776,581	12,458	<.0001	37,374	1,000
Organe	1	292,959	292,959	4,700	,0356	4,700	,555
Groupe * Organe	3	157,990	52,663	,945	,4768	2,533	,213
Réside	44	2742,750	62,335				

Tableau de moyennes pour TCRBV05.1  
Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	9,418	9,307	3,102
T, F	8	10,356	10,547	3,729
S, R	5	23,630	4,860	2,174
S, F	5	32,059	4,573	2,045
I3*, R	5	24,959	7,009	3,136
I3*, F	5	30,198	6,922	3,098
I3*S, R	5	26,989	5,618	2,512
I3*S, F	10	28,163	8,016	2,535

Test PLSD de Fisher pour TCRBV05.1

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crt.	Valeur p	
T, S	-15,161	6,341	<.0001	S
T, I3*	-14,895	6,341	<.0001	S
T, I3*S	-13,753	5,637	<.0001	S
S, I3*	,265	7,116	,9405	
S, I3*S	1,408	6,496	,8644	
I3*, I3*S	1,143	6,496	,7247	

Test PLSD de Fisher pour TCRBV05.1

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crt.	Valeur p	
R, F	-0,658	4,428	,0107	S

Courbe des interactions pour TCRBV05.1

Effet : Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

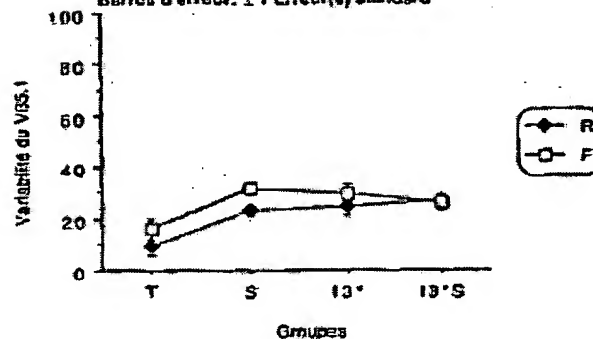


FIGURE 90

1U/519950

Tableau ANOVA pour TCRBV05.2

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	1168,458	389,152	4,395	.0086	13,185	.849
Organe	1	2230,395	2230,395	24,743	<.0001	24,743	1,000
Groupe * Organe	3	453,445	151,148	1,677	.1958	5,030	.399
Résidu	44	3965,148	90,140				

Tableau de moyennes pour TCRBV05.2

Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	7,397	8,310	2,770
T, F	8	14,408	6,948	2,450
S, R	5	12,099	9,083	4,062
S, F	5	20,821	9,563	4,277
I3*, R	5	12,444	7,334	3,280
I3*, F	5	34,050	11,084	4,957
I3*S, R	5	11,768	8,884	3,078
I3*S, F	10	28,408	12,840	4,060

Test PLSD de Fisher pour TCRBV05.2

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-5,789	7,626	.1345
T, I3*	-12,851	7,626	.0015
T, I3*S	-12,165	6,778	.0008
S, I3*	-7,082	8,557	.1024
S, I3*S	-8,307	7,812	.1060
I3*, I3*S	.686	7,812	.9804

Test PLSD de Fisher pour TCRBV05.2

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-13,831	6,323	<.0001

Courbe des interactions pour TCRBV05.2

Effet : Groupe \* Organe

Barres d'erreur  $\pm 1$  Erreur(s) standard

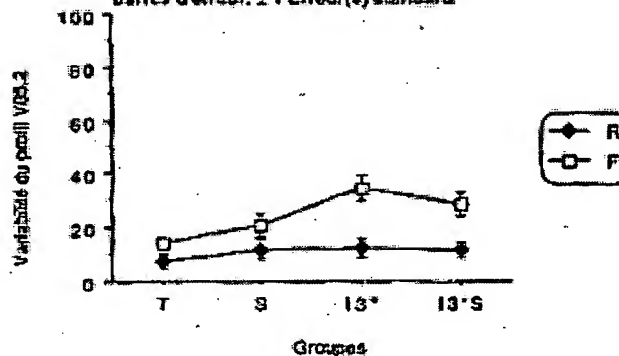


FIGURE 90 (continuing)

10/519950

Tableau ANOVA pour TCRBV05.1

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	1122,159	374,053	4,322	,0092	12,855	,843
Organe	1	693,580	693,580	8,013	,0069	8,013	,803
Groupe * Organe	3	163,846	54,615	,631	,5988	1,633	,168
Résidu	45	3894,843	86,552				

Tableau de moyennes pour TCRBV05.1  
Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	2,401	1,210	,403
T, F	9	15,375	11,966	3,989
S, R	5	18,203	3,900	1,744
S, F	5	24,239	13,526	6,049
13*, R	5	5,982	2,536	1,134
13*, F	5	12,669	7,068	3,161
13*S, R	5	11,682	16,553	6,955
13*S, F	10	16,248	8,140	2,690

Test PLSD de Fisher pour TCRBV05.1  
Effet : Groupe  
Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-12,333	7,390	,0016 S
T, 13*	-,448	7,390	,9934
T, 13*S	-5,836	6,551	,0704
S, 13*	11,885	8,380	,0065 S
S, 13*S	6,495	7,650	,0841
13*, 13*S	-6,390	7,650	,1627

Test PLSD de Fisher pour TCRBV05.1  
Effet : Organe  
Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-8,369	5,171	,0021 S

Courbe des interactions pour TCRBV05.1  
Effet : Groupe \* Organe  
Barres d'erreur:  $\pm 1$  Erreur(s) standard

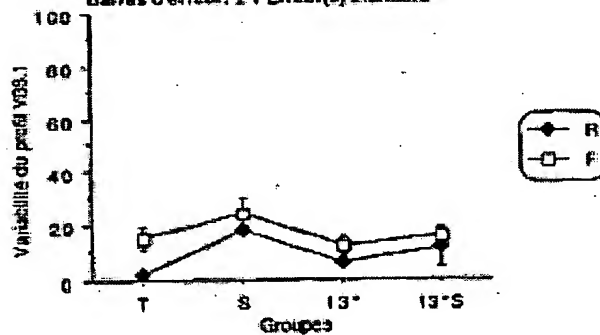


FIGURE 91

Tableau ANOVA pour TCRBV08.2

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	61,654	20,518	,422	,7382	1,265	,126
Organe	1	6,460	6,460	,132	,7177	,132	,084
Groupe * Organe	3	254,375	84,752	1,735	,1734	5,204	,413
Résidu	45	2199,528	48,876				

Tableau de moyennes pour TCRBV08.2

Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	13,363	4,882	1,627
T, F	9	16,148	6,011	2,004
S, R	5	21,828	10,936	4,891
S, F	5	12,804	9,454	4,228
I3*, R	5	14,720	7,593	3,396
I3*, F	5	16,325	6,149	2,760
I3*S, R	5	16,190	8,887	3,889
I3*S, F	10	17,919	4,708	1,469

Test PLSD de Fisher pour TCRBV08.2

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-2,650	6,554	,3599
T, I3*	-,758	5,564	,7848
T, I3*S	-2,577	4,823	,2973
S, I3*	1,793	6,297	,5882
S, I3*S	-,027	5,749	,9925
I3*, I3*S	-1,820	5,749	,5270

Test PLSD de Fisher pour TCRBV08.2

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-,207	3,880	,9151

Courbe des interactions pour TCRBV08.2

Effet : Groupe \* Organe

Barres d'erreur : 1 Erreur(s) standard

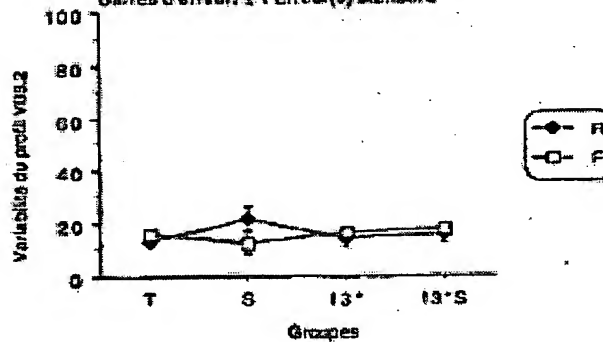


FIGURE 91 (continuing)

10/519950

Tableau ANOVA pour TCRBV10

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	27,080	9,017	,181	,9085	,544	,081
Organe	1	882,292	882,292	13,724	,0008	13,724	,987
Groupe * Organe	3	115,402	38,467	,774	,5148	2,321	,168
Résidu	45	2237,141	49,714				

Tableau de moyennes pour TCRBV10

Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	6,928	7,974	2,658
T, F	9	17,147	6,606	2,202
S, R	5	11,331	5,743	2,588
S, F	5	16,039	3,604	1,612
13*, R	5	11,694	7,590	3,394
13*, F	5	15,838	8,778	3,926
13*S, R	5	7,509	2,533	1,133
13*S, F	10	18,473	6,375	2,648

Test PLSD de Fisher pour TCRBV10

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-1,647	5,601	,5587
T, 13*	-1,728	5,601	,5375
T, 13*S	-2,780	4,985	,2653
S, 13*	-,081	6,351	,9788
S, 13*S	-1,134	5,798	,6956
13*, 13*S	-1,053	5,798	,7163

Test PLSD de Fisher pour TCRBV10

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-8,228	3,919	,0001

Courbe des interactions pour TCRBV10

Effet : Groupe \* Organe

Barres d'erreur: 11 Erreur(s) standard

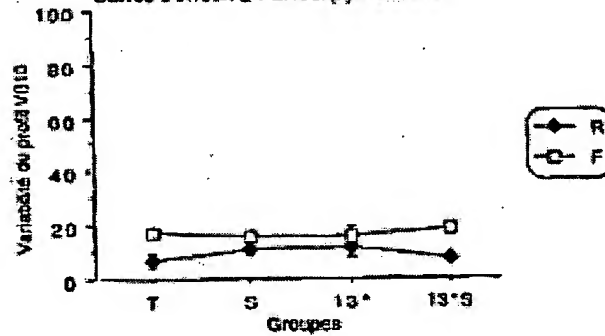


FIGURE 92

10/519950

Tableau ANOVA pour TCRBV11

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	233,690	77,897	2,572	,0661	7,715	,688
Organe	1	2349,255	2349,255	77,562	<.0001	77,562	1,000
Groupe * Organe	3	127,530	42,510	1,403	,2544	4,210	,338
Résidu	44	1332,711	30,289				

Tableau de moyennes pour TCRBV11

Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	7,363	8,354	2,765
T, F	8	16,802	4,023	1,422
S, R	5	7,885	3,881	1,780
S, F	5	21,184	2,702	1,208
I3*, R	5	5,966	1,813	,811
I3*, F	5	22,526	6,417	2,870
I3*S, R	5	8,308	3,977	1,778
I3*S, F	10	28,025	6,032	1,908

Test PLSD de Fisher pour TCRBV11

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-2,735	4,420	,2191
T, I3*	-2,446	4,420	,2708
T, I3*S	-8,653	3,928	<.0001 S
S, I3*	,288	4,960	,9073
S, I3*S	-5,918	4,528	,0116 S
I3*, I3*S	-6,206	4,528	,0083 S

Test PLSD de Fisher pour TCRBV11

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-14,319	3,085	<.0001 S

Courbe des interactions pour TCRBV11

Effet : Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

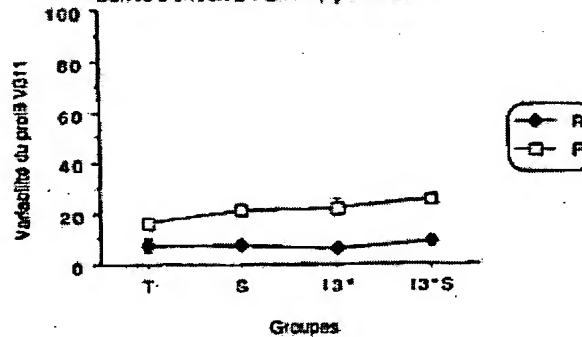


FIGURE 92 (continuing)

Tableau ANOVA pour TCRBV14

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	235,494	111,831	7,070	,0005	21,210	,978
Organe	1	411,959	411,959	26,006	<,0001	26,006	1,000
Groupe * Organe	3	231,272	77,091	4,874	,0051	14,821	,890
Résidu	45	711,807	15,618				

Tableau de moyennes pour TCRBV14

Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	3,275	3,363	1,121
T, F	9	8,160	2,423	,808
S, R	5	8,186	2,726	1,219
S, F	5	6,830	1,772	,792
13°, R	5	8,434	2,510	1,123
13°, F	5	16,608	7,417	3,317
13°S, R	5	7,217	2,411	1,078
13°S, F	10	15,857	5,412	1,711

Test PLSD de Fisher pour TCRBV14

Effet : Groupe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crt.	Valeur p
T, S	-1,801	3,159	,2571
T, 13°	-5,309	3,159	,0015 S
T, 13°S	-7,264	2,800	<,0001 S
S, 13°	-3,508	3,582	,0547
S, 13°S	-5,464	3,270	,0016 S
13°, 13°S	-1,866	3,270	,2347

Test PLSD de Fisher pour TCRBV14

Effet : Organe

Niveau de significativité : 5 %

	Diff. moy.	Diff. crt.	Valeur p
R, F	-8,467	2,210	<,0001 S

Courbe des interactions pour TCRBV14

Effet : Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

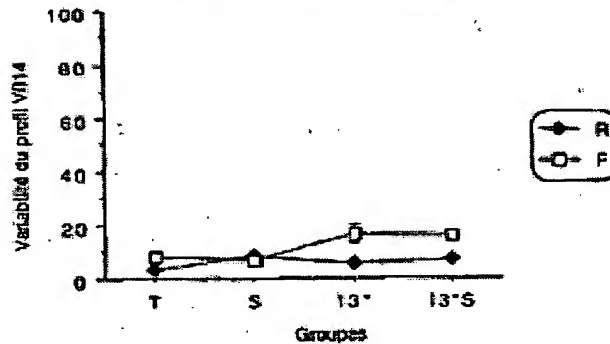


FIGURE 93

10/519950

Tableau ANOVA pour TCRBV15

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	163,813	51,271	1,141	.3429	3,424	.279
Organe	1	1226,163	1226,163	27,298	<.0001	27,298	1,000
Groupe * Organe	3	67,328	29,109	.648	.5884	1,944	.171
Résidu	44	1076,302	44,916				

Tableau de moyennes pour TCRBV15  
Effet: Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	7,854	8,273	2,758
T, F	8	16,668	6,044	2,137
S, R	5	8,518	2,137	.956
S, F	5	16,284	3,618	1,818
I3*, R	5	9,270	2,657	1,188
I3*, F	5	20,150	11,402	5,140
I3*S, R	5	9,082	4,892	2,188
I3*S, F	10	23,098	7,072	2,236

Test PLSD de Fisher pour TCRBV15

Effet: Groupe

Niveau de significativité: 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	.101	5,363	.9700
T, I3*	-2,708	5,363	.3161
T, I3*S	-6,424	4,785	.0097 S
S, I3*	-2,809	6,040	.3537
S, I3*S	-6,525	5,514	.0215 S
I3*, I3*S	-3,718	5,514	.1814

Test PLSD de Fisher pour TCRBV15

Effet: Organe

Niveau de significativité: 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-10,796	3,757	<.0001 S

Courbe des interactions pour TCRBV15

Effet: Groupe \* Organe

Barres d'erreur:  $\pm 1$  Erreur(s) standard

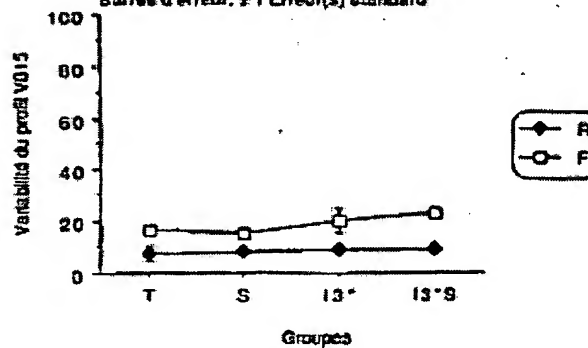


FIGURE 93 (continuing)

Tableau ANOVA pour TCRBV20

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	3	328,683	108,888	1,907	,1423	5,722	,450
Organe	1	588,101	588,101	10,301	,0025	10,301	,888
Groupe * Organe	3	262,266	87,429	1,531	,2197	4,594	,366
Réidu	44	2512,080	57,093				

Tableau de moyennes pour TCRBV20  
 Effet : Groupe \* Organe

	Nombre	Moyenne	Dév. Std.	Err. Std.
T, R	9	11,620	7,651	2,517
T, F	8	14,773	7,748	2,739
S, R	5	16,432	4,136	1,850
S, F	5	20,563	4,370	1,954
I3*, R	6	11,612	3,093	1,383
I3*, F	5	26,895	13,297	5,947
I3*S, R	5	11,495	4,683	2,034
I3*S, F	10	17,170	8,304	2,626

Test PLSD de Fisher pour TCRBV20  
 Effet : Groupe  
 Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
T, S	-8,203	8,069	,0863
T, I3*	-6,044	8,069	,0509
T, I3*S	-2,068	5,394	,4438
S, I3*	-,761	6,810	,8228
S, I3*S	3,214	6,217	,3031
I3*, I3*S	3,978	6,217	,2042

Test PLSD de Fisher pour TCRBV20  
 Effet : Organe  
 Niveau de significativité : 5 %

	Diff. moy.	Diff. crit.	Valeur p
R, F	-6,156	4,236	,0054

Courbe des interactions pour TCRBV20  
 Effet : Groupe \* Organe  
 Barres d'erreur:  $\pm 1$  Erreur(s) standard

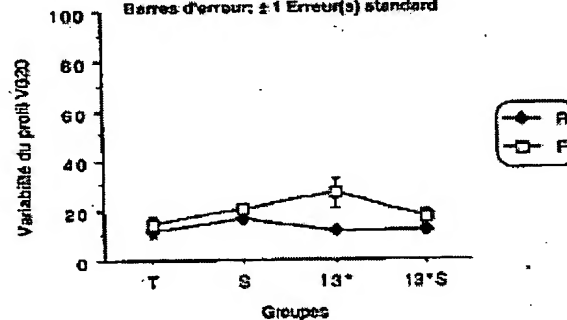


FIGURE 94

- Seul sera détaillé ici les résultats concernant l'indice Gorochov. Les autres indices ne donnent dans cette étude aucun résultat pertinent (nature plurimodale des profils de certaines unités expérimentales).
- ❖ Le type d'infection influe en moyenne sur l'indice Gorochov observé pour les différents Vb étudiés.
- ❖ L'organe influe en moyenne sur l'indice Gorochov observée pour les différents Vb étudiés.
- ❖ L'indice Gorochov observé, en moyenne, sur les différents groupes n'est pas la même selon l'organe considéré.

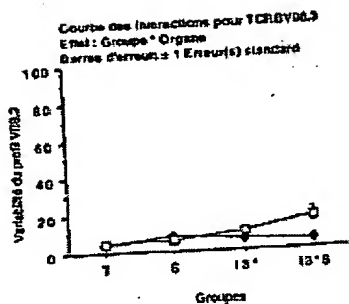
Résultats de l'ANOVA correspondante: (@ : avec effet d'interaction)

	Effet groupe OUI	Effet groupe NON
Effet organe OUI	5.1 {F3* (222,225) FS (222,225,228)) 5.2 {RS (216) F3* (213) FS (216,219) F3*S (216)) 7 8.1 {RS (231) FS (231,228)) 8.3 @ F>>R pour le groupe I3*S. 14 @ F>>R pour les groupes I3* et I3*S.	2 6 10 {F3*S (138)) 11 12@ F>>R pour les groupes I3* et I3*S. 13 {F3*S (168)) 15 {RS (174), F3*S(177)) 16 20
Effet organe NON	3 @ F>>R pour le groupe I3*S. 9 {F3*(144,147,150,153) F3*S(153)) 18	1 4 8.2

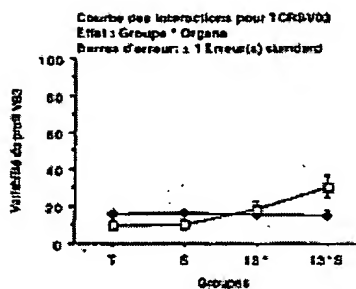
Rq. Les Vb pour lesquels l'indice d'oligoclonalité de certains pics est supérieur au seul de celui du groupe témoin sont suivis, entre parenthèses des groupes concernés.

FIGURE 95

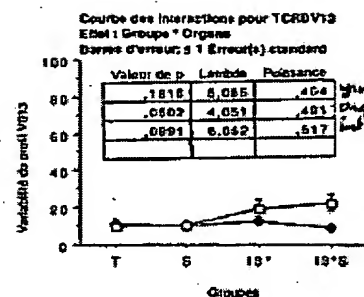
10/519950



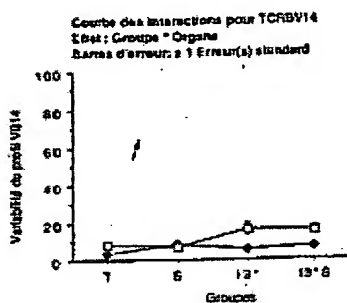
@



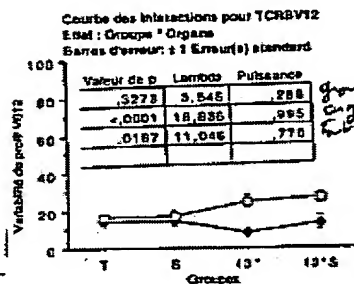
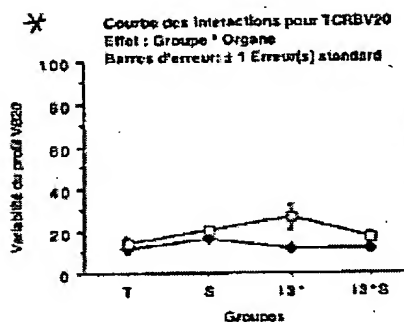
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FIGURE 95 (continuing)



## Canonical Scores Plot

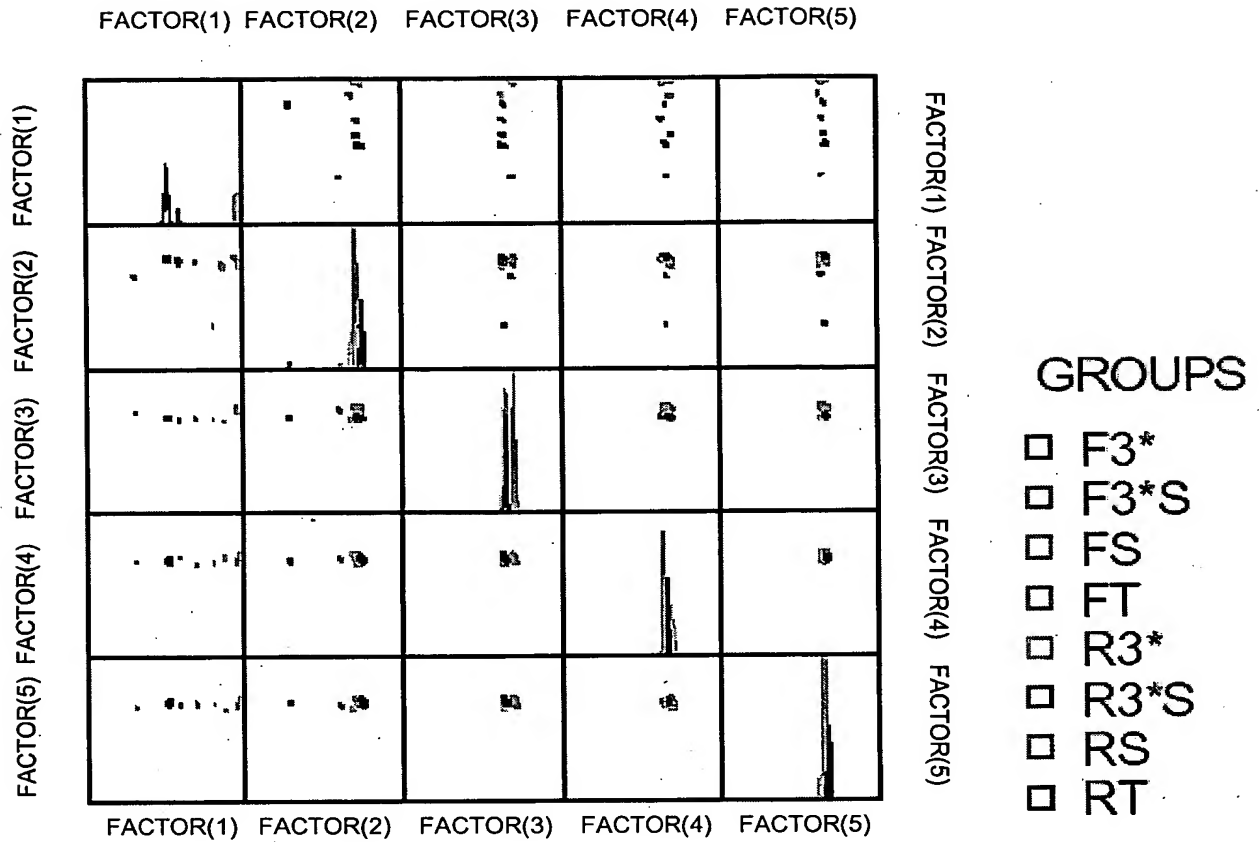


FIGURE 98

10/519950

SYSTAT Rectangular file C:\Utilisateurs\OGp8586\Pr81OG290802.SYD,  
created Thu Aug 29, 2002 at 15:24:34, contains variables:

CASE\$	GROUPS\$	TCRBV01_6	TCRBV01_7	TCRBV01_8	TC
TCRBV01_10	TCRBV01_11	TCRBV01_12	TCRBV01_13	TCRBV01_14	TC
TCRBV02_7	TCRBV02_8	TCRBV02_9	TCRBV02_10	TCRBV02_11	TC
TCRBV02_13	TCRBV03_4	TCRBV03_5	TCRBV03_6	TCRBV03_7	TC
TCRBV03_9	TCRBV03_10	TCRBV03_11	TCRBV03_12	TCRBV03_13	TC
TCRBV04_7	TCRBV04_8	TCRBV04_9	TCRBV04_10	TCRBV04_11	TC
TCRBV04_13	TCRBV04_14	TCRBV04_15	TCRBV051_5	TCRBV051_6	TC
TCRBV051_8	TCRBV051_9	TCRBV051_10	TCRBV051_11	TCRBV051_12	TCR
TCRBV052_6	TCRBV052_7	TCRBV052_8	TCRBV052_9	TCRBV052_10	TCR
TCRBV052_12	TCRBV052_13	TCRBV06_5	TCRBV06_6	TCRBV06_7	TC
TCRBV06_9	TCRBV06_10	TCRBV06_11	TCRBV06_12	TCRBV06_13	TC
TCRBV07_6	TCRBV07_7	TCRBV07_8	TCRBV07_9	TCRBV07_10	TC
TCRBV07_12	TCRBV07_13	TCRBV081_5	TCRBV081_6	TCRBV081_7	TC
TCRBV081_9	TCRBV081_10	TCRBV081_11	TCRBV081_12	TCRBV082_4	TC
TCRBV082_6	TCRBV082_7	TCRBV082_8	TCRBV082_9	TCRBV0824_10	TCR
TCRBV083_4	TCRBV083_5	TCRBV083_6	TCRBV083_7	TCRBV083_8	TC
TCRBV083_10	TCRBV083_11	TCRBV083_12	TCRBV09_5	TCRBV09_6	TC
TCRBV09_8	TCRBV09_9	TCRBV09_10	TCRBV09_11	TCRBV09_12	TC
TCRBV09_14	TCRBV09_15	TCRBV10_6	TCRBV10_7	TCRBV10_8	TC
TCRBV10_10	TCRBV10_11	TCRBV10_12	TCRBV10_13	TCRBV11_5	TC
TCRBV11_7	TCRBV11_8	TCRBV11_9	TCRBV11_10	TCRBV11_11	TC
TCRBV11_13	TCRBV11_14	TCRBV11_15	TCRBV12_4	TCRBV12_5	TC
TCRBV12_7	TCRBV12_8	TCRBV12_9	TCRBV12_10	TCRBV12_11	TC
TCRBV13_5	TCRBV13_6	TCRBV13_7	TCRBV13_8	TCRBV13_9	TC
TCRBV13_11	TCRBV13_12	TCRBV13_13	TCRBV14_5	TCRBV14_6	TC
TCRBV14_8	TCRBV14_9	TCRBV14_10	TCRBV14_11	TCRBV14_12	TC
TCRBV15_4	TCRBV15_5	TCRBV15_6	TCRBV15_7	TCRBV15_8	TC
TCRBV15_10	TCRBV15_11	TCRBV15_12	TCRBV16_5	TCRBV16_6	TC
TCRBV16_8	TCRBV16_9	TCRBV16_10	TCRBV16_11	TCRBV16_12	TC
TCRBV18_3	TCRBV18_4	TCRBV18_5	TCRBV18_6	TCRBV18_7	TC
TCRBV18_9	TCRBV18_10	TCRBV18_11	TCRBV18_12	TCRBV18_13	TC
TCRBV20_6	TCRBV20_7	TCRBV20_8	TCRBV20_9	TCRBV20_10	TC
TCRBV20_12	TCRBV20_13	TCRBV20_14			

Latent Roots (Eigenvalues)

1	2	3	4	5
806.097	574.767	525.021	474.758	360.278
6	7	8	9	10
326.711	312.488	234.426	220.247	205.757
11	12	13	14	15
197.164	187.097	166.789	160.829	147.404
16	17	18	19	20
130.104	128.438	120.749	108.967	98.134
21	22	23	24	25

FIGURE 100

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
121/218

10/519950

90.690	78.013	76.711	61.271	59.256
26	27	28	29	30
50.362	48.663	39.763	37.130	32.355
31	32	33	34	35
29.161	26.169	24.054	21.550	20.080
36	37	38	39	40
18.509	17.875	15.007	13.936	12.903
41	42	43	44	45
11.317	9.508	8.822	8.187	7.641
46	47	48	49	50
6.640	5.734	4.707	4.103	3.624
51	52	53	54	55
3.345	2.374	0.000	0.000	0.000
56	57	58	59	60
0.000	0.000	0.000	0.000	0.000
61	62	63	64	65
0.000	0.000	0.000	0.000	0.000
66	67	68	69	70
0.000	0.000	0.000	0.000	0.000
71	72	73	74	75
0.000	0.000	0.000	0.000	0.000
76	77	78	79	80
0.000	0.000	0.000	0.000	0.000
81	82	83	84	85
0.000	0.000	0.000	0.000	0.000
86	87	88	89	90
0.000	0.000	0.000	0.000	0.000
91	92	93	94	95
0.000	0.000	0.000	0.000	0.000
96	97	98	99	100
0.000	0.000	0.000	0.000	0.000
101	102	103	104	105

FIGURE 100 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
122/218

10/519950

0.000	0.000	0.000	0.000	0.000
106	107	108	109	110
0.000	0.000	0.000	0.000	0.000
111	112	113	114	115
0.000	0.000	0.000	0.000	0.000
116	117	118	119	120
0.000	0.000	0.000	0.000	0.000
121	122	123	124	125
0.000	0.000	0.000	0.000	0.000
126	127	128	129	130
0.000	0.000	0.000	0.000	0.000
131	132	133	134	135
0.000	0.000	0.000	0.000	0.000
136	137	138	139	140
0.000	0.000	0.000	0.000	0.000
141	142	143	144	145
0.000	0.000	0.000	0.000	0.000
146	147	148	149	150
0.000	0.000	0.000	0.000	0.000
151	152	153	154	155
0.000	0.000	0.000	0.000	0.000
156	157	158	159	160
0.000	0.000	0.000	0.000	0.000
161	162	163	164	165
0.000	0.000	0.000	0.000	0.000
166	167	168	169	170
0.000	0.000	0.000	0.000	0.000
171	172	173	174	175
0.000	0.000	0.000	0.000	0.000
176	177	178	179	180
0.000	0.000	0.000	0.000	0.000
181	182	183	184	185

FIGURE 100 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
123/218

10/519950

0.000	0.000	0.000	0.000	0.000
186	187	188	189	190
0.000	0.000	0.000	0.000	0.000
191	192	193		
0.000	0.000	0.000		

Component loadings

	1	2	3	4	5
TCRBV01_6	-0.075	-0.020	-0.031	0.142	0.070
TCRBV01_7	0.586	0.776	-0.084	0.178	0.101
TCRBV01_8	-2.381	-1.196	4.073	-4.774	2.594
TCRBV01_9	1.202	2.269	1.717	2.764	1.996
TCRBV01_10	3.454	2.257	2.246	1.329	1.040
TCRBV01_11	0.055	2.659	-0.708	1.386	-0.059
TCRBV01_12	-0.258	1.305	-0.889	0.074	0.185
TCRBV01_13	-0.223	0.178	-0.392	0.102	-0.044
TCRBV01_14	-0.021	0.016	-0.050	0.010	-0.016
TCRBV02_6	0.750	-0.283	-0.629	-0.090	-0.108
TCRBV02_7	0.480	0.642	0.637	-0.136	-0.988
TCRBV02_8	0.059	0.586	0.088	0.089	0.736
TCRBV02_9	1.130	0.110	0.203	0.181	-1.461
TCRBV02_10	-0.113	-0.187	0.290	-0.738	0.606
TCRBV02_11	-0.724	-0.097	1.786	-0.013	0.307
TCRBV02_12	-0.450	-0.019	0.601	-0.160	0.175
TCRBV02_13	-0.236	-0.160	0.201	-0.296	0.196
TCRBV03_4	-0.023	-0.015	-0.082	0.030	0.014
TCRBV03_5	-0.120	-0.002	-0.121	-0.003	0.061
TCRBV03_6	2.225	0.178	-0.733	-1.112	0.066
TCRBV03_7	2.053	1.677	-0.686	-0.785	0.612
TCRBV03_8	3.224	2.522	-0.052	-1.015	1.279
TCRBV03_9	4.341	2.926	-1.482	-0.044	1.981
TCRBV03_10	-3.235	0.499	3.479	-1.136	4.894
TCRBV03_11	-5.143	0.869	1.720	2.027	0.546
TCRBV03_12	-0.448	0.066	1.408	1.085	-1.392
TCRBV03_13	-0.536	-0.476	2.430	2.163	-2.194
TCRBV04_6	0.012	-0.001	-0.019	-0.011	0.005
TCRBV04_7	1.152	-0.155	-0.030	-0.668	0.049
TCRBV04_8	1.873	0.011	0.527	-0.928	0.155
TCRBV04_9	4.587	-1.410	0.450	-1.396	0.161
TCRBV04_10	5.214	-0.729	-0.519	-0.539	1.093
TCRBV04_11	-2.756	0.589	-1.756	1.854	-0.619
TCRBV04_12	-3.817	0.894	-0.456	1.589	1.304
TCRBV04_13	-3.121	1.805	0.381	2.556	-2.504
TCRBV04_14	-3.131	-1.158	1.410	-2.431	0.426
TCRBV04_15	-0.012	0.154	0.012	-0.025	-0.070
TCRBV051_5	0.174	0.196	-0.112	-0.095	0.048
TCRBV051_6	0.215	-0.029	0.032	0.178	0.642
TCRBV051_7	-0.042	-0.512	-0.317	-0.818	1.006
TCRBV051_8	5.708	-11.263	7.492	6.584	0.181
TCRBV051_9	0.294	1.095	-1.810	3.037	-1.682
TCRBV051_10	-0.617	5.252	-3.907	-2.022	-1.555
TCRBV051_11	-2.015	2.799	2.297	-6.363	-1.086
TCRBV051_12	-0.959	3.191	-0.695	-1.023	-0.729
TCRBV051_13	0.084	0.240	-0.060	-0.185	-0.127
TCRBV052_6	0.340	0.857	-0.295	-0.436	-0.045
TCRBV052_7	0.742	2.607	0.258	0.375	-0.707
TCRBV052_8	-2.966	5.924	6.078	3.420	-3.444
TCRBV052_9	1.864	-0.893	1.072	-0.675	0.061

FIGURE 100 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
124/218

10/519950

TCRBV052_10	1.482	-2.328	-2.449	-0.869	-0.364
TCRBV052_11	1.183	-2.592	-0.353	-1.828	1.509
TCRBV052_12	0.184	-2.206	-1.170	-0.621	0.008
TCRBV052_13	0.013	-0.400	-0.221	-0.073	-0.320
TCRBV06_5	0.028	0.045	-0.011	-0.063	-0.023
TCRBV06_6	0.893	0.443	-0.309	0.021	0.249
TCRBV06_7	2.017	1.415	0.546	0.161	-0.133
TCRBV06_8	2.766	1.952	1.966	0.511	0.512
TCRBV06_9	3.375	1.408	2.821	-3.418	2.216
TCRBV06_10	-2.099	2.397	-0.216	1.039	1.658
TCRBV06_11	-2.924	1.046	1.312	1.670	0.587
TCRBV06_12	-1.604	-0.326	-0.042	1.137	-0.619
TCRBV06_13	-0.114	-0.137	-0.185	0.152	0.181
TCRBV07_5	0.008	0.028	-0.008	-0.007	-0.006
TCRBV07_6	0.837	0.060	1.858	1.278	-1.079
TCRBV07_7	1.214	-0.479	3.067	-1.119	-0.853
TCRBV07_8	1.397	2.345	0.393	0.465	1.264
TCRBV07_9	4.717	2.550	2.366	-0.826	1.030
TCRBV07_10	-0.442	2.391	-0.665	0.761	3.003
TCRBV07_11	-3.185	0.834	-0.280	0.043	1.876
TCRBV07_12	-1.960	0.518	-0.716	0.657	0.453
TCRBV07_13	-0.246	-0.005	-0.134	-0.042	0.180
TCRBV08_1_5	-0.014	-0.039	0.066	0.071	0.088
TCRBV08_1_6	-0.233	0.804	-0.102	-0.341	0.688
TCRBV08_1_7	0.704	-0.501	0.138	-0.835	2.223
TCRBV08_1_8	0.540	-0.086	1.200	0.121	0.646
TCRBV08_1_9	3.830	-4.333	-0.332	-1.541	-0.526
TCRBV08_1_10	-1.574	1.153	-1.559	2.277	-1.302
TCRBV08_1_11	-2.194	2.038	0.379	0.551	-0.926
TCRBV08_1_12	-1.059	0.963	0.211	-0.303	-0.892
TCRBV08_2_4	0.424	-0.358	-0.028	-0.768	-0.292
TCRBV08_2_5	1.519	-1.085	-0.387	-2.354	-0.715
TCRBV08_2_6	1.924	-0.687	0.185	-1.745	-0.622
TCRBV08_2_7	4.198	-2.368	1.356	-4.012	-2.978
TCRBV08_2_8	-1.227	1.076	-0.107	1.819	-0.476
TCRBV08_2_9	-3.201	2.555	-0.558	3.505	2.871
TCRBV08_2_10	-2.699	0.852	-0.631	2.618	1.452
TCRBV08_2_11	-0.938	0.015	0.169	0.937	0.760
TCRBV08_3_4	-0.014	-0.041	0.169	0.163	-0.147
TCRBV08_3_5	-0.068	0.075	0.105	-0.232	-0.108
TCRBV08_3_6	0.507	-0.204	-0.849	-0.544	-0.608
TCRBV08_3_7	-0.108	-0.302	1.102	-0.398	1.583
TCRBV08_3_8	0.297	0.863	0.017	-1.155	1.218
TCRBV08_3_9	0.473	0.115	-1.272	0.152	0.523
TCRBV08_3_1	-0.565	0.494	-0.172	0.803	-0.014
TCRBV08_3_11	-0.472	-0.205	1.392	0.772	-1.418
TCRBV08_3_12	-0.050	-0.797	-0.492	0.439	-1.028
TCRBV09_5	-0.130	-0.039	0.139	0.133	0.079
TCRBV09_6	0.040	-0.080	-0.402	0.148	0.444
TCRBV09_7	0.934	-0.535	-0.164	-0.246	2.171
TCRBV09_8	0.369	-0.995	2.707	4.763	4.320
TCRBV09_9	2.212	-0.760	4.327	2.838	3.010
TCRBV09_10	2.774	3.177	0.449	-2.120	3.543
TCRBV09_11	-1.487	2.603	6.703	-3.932	-5.167
TCRBV09_12	-0.264	3.204	-0.360	-1.573	-1.144
TCRBV09_13	0.317	0.847	-0.183	-0.596	-0.481
TCRBV09_14	0.100	0.111	-0.013	-0.204	-0.066
TCRBV09_15	0.090	-0.012	0.013	-0.019	-0.014
TCRBV10_6	0.486	0.626	-0.103	-0.518	-0.360
TCRBV10_7	0.830	1.733	1.173	1.028	-1.646
TCRBV10_8	1.789	1.616	-0.162	0.700	-0.176
TCRBV10_9	-3.735	-1.632	0.512	-2.124	0.498
TCRBV10_10	-0.813	-1.518	0.188	0.424	0.368
TCRBV10_11	1.331	-0.607	-0.813	0.275	0.931

FIGURE 101

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
125/218

10/519950

TCRBV10_12	0.123	-0.210	-0.756	0.200	0.378
TCRBV10_13	-0.011	-0.007	-0.040	0.015	0.007
TCRBV11_5	0.054	-0.171	-0.024	0.112	0.227
TCRBV11_6	0.645	0.491	0.188	-0.714	0.376
TCRBV11_7	1.025	1.292	1.255	0.194	-0.196
TCRBV11_8	0.761	1.916	2.296	-1.473	-0.143
TCRBV11_9	3.448	1.820	5.538	-0.829	0.968
TCRBV11_10	-0.317	1.741	0.140	1.767	1.806
TCRBV11_11	-1.405	1.169	-1.376	0.594	1.496
TCRBV11_12	-1.177	0.105	-1.167	1.265	0.817
TCRBV11_13	-0.626	-0.073	-0.722	0.205	0.474
TCRBV11_14	-0.051	-0.033	-0.180	0.066	0.030
TCRBV11_15	-0.019	-0.012	-0.067	0.024	0.011
TCRBV12_4	-0.057	0.257	0.160	0.162	-0.221
TCRBV12_5	1.293	0.663	2.995	0.630	-3.022
TCRBV12_6	2.748	1.366	1.113	-1.987	1.080
TCRBV12_7	3.631	0.361	0.059	-2.201	1.916
TCRBV12_8	1.486	-0.394	-3.294	-0.997	0.698
TCRBV12_9	-4.150	-1.433	-2.887	2.225	-0.539
TCRBV12_10	-1.210	-0.525	1.600	1.272	-0.263
TCRBV12_11	-3.118	-0.274	0.050	0.649	0.371
TCRBV12_12	-0.622	-0.022	0.204	0.248	-0.021
TCRBV13_5	-0.020	-0.007	-0.107	0.019	0.053
TCRBV13_6	0.236	0.737	0.059	-1.254	-0.553
TCRBV13_7	1.220	-0.566	-1.444	-1.137	2.591
TCRBV13_8	1.117	-0.003	-1.307	0.057	1.241
TCRBV13_9	0.093	0.101	4.513	4.666	-4.488
TCRBV13_10	-2.026	0.461	-0.842	-1.267	1.472
TCRBV13_11	-0.556	-0.611	-0.561	-1.254	-0.605
TCRBV13_12	-0.312	-0.035	-0.263	0.081	0.148
TCRBV13_13	0.248	-0.076	-0.048	0.088	0.140
TCRBV14_5	0.002	0.043	0.128	-0.072	-0.191
TCRBV14_6	0.560	-0.013	-0.866	-0.723	0.361
TCRBV14_7	-0.886	0.111	0.110	-0.734	-0.876
TCRBV14_8	2.788	-0.379	-0.601	-0.066	-0.369
TCRBV14_9	0.982	-0.783	-0.866	3.516	0.367
TCRBV14_10	-1.647	0.192	1.058	-1.735	0.565
TCRBV14_11	-1.420	0.784	1.203	-0.363	-0.069
TCRBV14_12	-0.314	0.072	-0.065	0.145	0.144
TCRBV14_13	-0.064	-0.026	-0.101	0.031	0.067
TCRBV15_4	-0.048	0.005	-0.098	0.069	0.058
TCRBV15_5	0.876	-1.126	-0.311	0.027	1.451
TCRBV15_6	1.635	0.164	0.742	-0.557	1.197
TCRBV15_7	2.958	1.462	1.759	0.217	1.348
TCRBV15_8	4.711	2.103	2.764	0.244	1.387
TCRBV15_9	-1.609	3.526	3.496	0.975	-0.027
TCRBV15_10	-3.220	1.441	-1.397	0.340	0.671
TCRBV15_11	-2.089	0.535	-1.100	0.108	-0.046
TCRBV15_12	-0.876	0.132	0.026	-0.212	-0.172
TCRBV16_5	-0.004	0.063	0.143	0.057	-0.221
TCRBV16_6	0.740	-0.458	0.685	0.961	0.315
TCRBV16_7	4.029	0.612	0.870	0.467	0.419
TCRBV16_8	5.524	3.170	-1.084	0.257	-1.066
TCRBV16_9	6.852	5.592	-1.963	1.947	-1.891
TCRBV16_10	0.165	3.517	0.669	2.334	-1.033
TCRBV16_11	-3.812	-1.117	3.607	1.146	4.580
TCRBV16_12	-8.256	-2.143	5.834	-6.750	1.526
TCRBV16_13	-0.058	-0.024	0.040	0.085	-0.063
TCRBV18_3	0.030	-0.017	-0.003	-0.005	0.009
TCRBV18_4	0.043	-0.147	0.188	-0.730	0.278
TCRBV18_5	0.125	0.793	1.558	-0.021	-0.578
TCRBV18_6	-1.454	1.826	3.098	-1.120	-0.762
TCRBV18_7	-0.152	3.168	2.247	1.449	1.188

FIGURE 101 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
126/218

10/519950

TCRBV18_8	1.814	5.078	-0.855	-0.154	3.140
TCRBV18_9	-1.031	1.918	0.229	1.614	3.512
TCRBV18_10	-0.094	1.019	-0.043	1.279	1.501
TCRBV18_11	-0.786	-0.011	-0.531	0.647	1.080
TCRBV18_12	-0.061	0.022	0.078	0.163	-0.112
TCRBV18_13	0.049	-0.009	-0.017	-0.010	0.025
TCRBV20_5	0.006	-0.081	0.103	0.066	0.252
TCRBV20_6	0.820	-0.019	0.545	0.203	-0.182
TCRBV20_7	1.733	0.721	0.380	0.515	-0.112
TCRBV20_8	3.344	1.243	1.094	-0.664	0.208
TCRBV20_9	3.148	2.159	1.851	1.730	1.856
TCRBV20_10	-0.717	3.433	1.768	-1.72	0.168
TCRBV20_11	-3.744	1.517	1.836	0.103	0.433
TCRBV20_12	-1.968	0.750	-0.669	0.580	0.447
TCRBV20_13	-0.245	-1.482	-0.948	0.345	2.751
TCRBV20_14	-0.039	0.004	-0.079	0.056	0.047

	6	7	8	9	10
TCRBV01_6	0.021	-0.137	-0.052	-0.005	-0.092
TCRBV01_7	-0.643	0.055	0.055	0.226	0.238
TCRBV01_8	0.786	-2.649	0.542	2.361	-0.491
TCRBV01_9	0.085	0.952	-0.612	2.294	0.205
TCRBV01_10	-0.117	1.597	-0.377	-1.762	-0.096
TCRBV01_11	2.327	0.810	0.368	-1.797	1.295
TCRBV01_12	0.734	0.415	-0.371	-0.381	0.648
TCRBV01_13	0.489	-0.254	0.165	-0.219	0.124
TCRBV01_14	0.075	-0.054	0.026	-0.037	-0.002
TCRBV02_6	-0.411	-0.685	-0.233	0.366	0.110
TCRBV02_7	-0.375	-0.363	0.367	0.450	-0.673
TCRBV02_8	-1.359	-0.407	-0.058	-0.717	0.158
TCRBV02_9	-0.206	0.488	-2.104	0.418	0.067
TCRBV02_10	-1.294	-0.476	-0.688	-0.459	0.204
TCRBV02_11	-0.075	0.083	0.450	0.138	-0.089
TCRBV02_12	0.488	0.385	-0.049	0.021	-0.524
TCRBV02_13	0.142	-0.078	0.275	0.192	0.082
TCRBV03_4	0.080	0.027	0.053	-0.011	0.017
TCRBV03_5	0.060	0.097	0.112	-0.004	-0.062
TCRBV03_6	-0.107	1.055	-0.342	0.821	-0.548
TCRBV03_7	0.146	1.148	-0.772	0.402	-0.358
TCRBV03_8	0.035	1.190	-1.144	2.683	-0.290
TCRBV03_9	0.647	1.593	-1.654	1.464	0.050
TCRBV03_10	2.574	-2.731	1.180	-0.028	-0.095
TCRBV03_11	1.653	-1.677	-2.411	-1.695	2.068
TCRBV03_12	0.457	0.061	1.460	-1.841	0.257
TCRBV03_13	-1.787	-0.027	3.263	-1.111	0.788
TCRBV04_6	0.037	0.015	0.031	0.040	0.044
TCRBV04_7	-0.299	0.208	-0.066	0.153	0.939
TCRBV04_8	0.213	0.582	-0.761	-0.070	1.250
TCRBV04_9	-0.141	1.267	-0.328	-1.489	1.663
TCRBV04_10	-0.590	0.912	-0.715	-1.192	0.128
TCRBV04_11	0.112	-0.805	0.930	-0.875	-1.657
TCRBV04_12	0.160	0.155	0.849	0.034	-2.181
TCRBV04_13	0.079	-0.716	-0.245	3.168	-0.196
TCRBV04_14	0.515	-1.584	0.155	0.054	0.211
TCRBV04_15	-0.087	-0.034	0.150	0.177	-0.200
TCRBV051_5	-0.106	0.048	0.089	-0.068	0.171
TCRBV051_6	0.029	0.318	0.252	-0.142	0.301
TCRBV051_7	-0.159	0.221	0.309	0.500	1.070
TCRBV051_8	2.572	-2.042	-2.164	0.044	-0.762
TCRBV051_9	4.444	-1.496	-0.137	2.643	-0.465
TCRBV051_10	-1.104	-0.084	0.969	1.300	-1.749
TCRBV051_11	-0.987	0.698	2.606	-1.346	-0.209
TCRBV051_12	-1.048	0.469	-0.142	0.044	-1.542

FIGURE 101 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
127/218

10/519950

TCRBV051_13	-0.111	0.030	0.013	-0.028	0.073
TCRBV052_6	-0.429	-0.125	0.159	0.032	-0.196
TCRBV052_7	-1.586	-1.674	-0.624	0.571	-0.045
TCRBV052_8	-4.403	-0.485	-3.190	0.378	0.467
TCRBV052_9	1.889	-2.483	-0.890	2.997	-5.603
TCRBV052_10	2.085	-1.036	1.997	0.374	0.520
TCRBV052_11	3.685	2.322	3.163	-1.554	1.262
TCRBV052_12	2.094	1.373	1.268	0.039	0.557
TCRBV052_13	0.194	0.267	-0.089	0.109	-0.072
TCRBV06_5	-0.028	0.012	-0.015	-0.010	0.028
TCRBV06_6	-0.054	-0.562	0.235	0.175	-0.085
TCRBV06_7	-0.102	-0.502	0.664	0.892	-0.794
TCRBV06_8	-1.117	0.072	1.946	-0.955	0.019
TCRBV06_9	3.021	-2.951	1.747	-1.565	-0.637
TCRBV06_10	2.419	1.433	-1.640	-0.765	1.583
TCRBV06_11	-0.259	1.838	-1.574	1.468	1.021
TCRBV06_12	-0.036	1.358	-1.405	1.428	0.635
TCRBV06_13	-0.086	0.037	-0.213	0.012	0.059
TCRBV07_5	-0.005	-0.002	0.019	0.017	-0.024
TCRBV07_6	-0.827	-0.235	1.877	-0.943	1.078
TCRBV07_7	3.084	0.756	-0.478	-1.146	0.282
TCRBV07_8	-1.780	-0.387	-1.115	2.083	1.386
TCRBV07_9	0.335	-2.246	-0.097	0.479	-1.363
TCRBV07_10	1.901	1.229	-1.259	-0.785	0.280
TCRBV07_11	1.186	0.419	0.927	0.775	0.062
TCRBV07_12	0.030	1.034	-0.156	0.279	0.165
TCRBV07_13	-0.167	0.167	0.027	-0.079	-0.040
TCRBV081_5	-0.009	0.090	0.005	-0.140	0.041
TCRBV081_6	-0.289	0.625	1.094	-0.524	0.273
TCRBV081_7	-1.016	2.906	1.137	-0.857	-0.546
TCRBV081_8	-1.066	2.816	0.724	-0.342	-0.803
TCRBV081_9	-2.867	0.115	-1.058	-0.081	-0.371
TCRBV081_10	3.775	-5.061	-0.414	0.308	0.164
TCRBV081_11	1.486	-1.138	-0.736	0.953	0.983
TCRBV081_12	-0.015	-0.355	-0.752	0.683	0.259
TCRBV082_4	0.055	-0.029	0.046	-0.051	0.638
TCRBV082_5	-0.344	-0.203	-0.521	0.137	1.641
TCRBV082_6	-0.074	-0.440	-0.570	0.468	1.114
TCRBV082_7	0.263	-0.594	-0.517	-0.195	2.755
TCRBV082_8	0.554	-0.492	-0.254	0.195	-1.583
TCRBV082_9	0.305	0.673	0.717	-0.634	-2.363
TCRBV082_10	-0.735	0.388	0.784	0.019	-1.785
TCRBV082_11	-0.024	0.696	0.315	0.061	-0.418
TCRBV083_4	-0.131	0.003	0.257	-0.085	0.044
TCRBV083_5	-0.025	-0.087	-0.036	0.450	0.165
TCRBV083_6	0.327	-0.057	0.164	0.304	-0.026
TCRBV083_7	0.946	0.272	1.107	-1.423	-0.272
TCRBV083_8	0.428	-0.485	-0.866	-0.517	-0.317
TCRBV083_9	-0.913	-0.250	0.379	0.158	-1.019
TCRBV083_10	-1.367	-0.538	-0.083	0.389	0.819
TCRBV083_11	0.537	1.008	-0.303	0.126	0.443
TCRBV083_12	0.197	0.136	-0.619	0.598	0.164
TCRBV09_5	-0.047	0.092	-0.073	-0.194	-0.105
TCRBV09_6	0.079	0.096	0.119	0.218	0.618
TCRBV09_7	-0.426	-0.792	-0.658	0.464	1.475
TCRBV09_8	-1.150	0.751	-0.059	2.114	2.512
TCRBV09_9	-1.427	-1.220	0.603	0.310	1.771
TCRBV09_10	-3.653	0.761	-1.931	-0.265	-0.570
TCRBV09_11	2.346	4.886	-2.610	-0.817	-1.496
TCRBV09_12	-0.794	-0.147	0.193	1.915	-2.329
TCRBV09_13	-0.370	-0.153	0.008	0.403	-0.513
TCRBV09_14	-0.142	-0.044	-0.045	0.034	-0.044
TCRBV09_15	-0.033	-0.053	-0.031	0.006	0.036
TCRBV10_6	-0.011	-0.025	0.240	-0.378	-0.486

FIGURE 101 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
128/218

10/519950

TCRBV10_7	-0.846	-0.571	-0.083	-0.103	-0.801
TCRBV10_8	-1.940	-1.965	0.318	0.191	-1.208
TCRBV10_9	-3.228	-2.858	-3.466	-3.201	-0.140
TCRBV10_10	0.905	1.209	1.031	1.595	0.029
TCRBV10_11	3.868	3.072	1.212	0.989	1.470
TCRBV10_12	1.212	1.125	0.722	0.912	1.126
TCRBV10_13	0.039	0.013	0.026	-0.005	0.008
TCRBV11_5	-0.050	-0.045	-0.156	0.081	-0.219
TCRBV11_6	-0.178	-0.975	-0.254	0.425	0.322
TCRBV11_7	-0.707	-0.515	-0.275	0.313	0.285
TCRBV11_8	0.365	-1.932	-0.336	1.796	0.859
TCRBV11_9	1.232	1.065	-2.009	-1.357	-1.209
TCRBV11_10	0.552	0.504	1.077	0.352	0.806
TCRBV11_11	1.134	0.543	1.004	-0.589	0.380
TCRBV11_12	1.027	1.424	0.213	-0.171	0.292
TCRBV11_13	0.143	0.584	0.324	-0.137	0.260
TCRBV11_14	0.175	0.060	0.115	-0.023	0.038
TCRBV11_15	0.065	0.022	0.043	-0.009	0.014
TCRBV12_4	-0.150	0.055	-0.102	0.270	-0.033
TCRBV12_5	-1.571	0.588	3.528	-0.107	1.233
TCRBV12_6	-0.568	1.431	0.523	0.279	0.579
TCRBV12_7	-0.956	1.053	0.361	2.507	-0.079
TCRBV12_8	-0.159	0.382	-0.103	1.866	0.641
TCRBV12_9	-0.056	-3.527	-0.407	-0.837	0.557
TCRBV12_10	2.350	1.956	-2.592	-4.345	-3.795
TCRBV12_11	0.881	-1.674	-0.794	0.260	0.800
TCRBV12_12	0.230	-0.264	-0.413	0.107	0.098
TCRBV13_5	0.076	0.008	0.067	0.044	0.033
TCRBV13_6	2.347	1.421	-1.265	-0.081	-0.483
TCRBV13_7	0.890	1.644	-0.824	0.685	-1.078
TCRBV13_8	-2.806	-0.933	-0.717	0.080	0.151
TCRBV13_9	-1.570	0.847	2.456	1.181	0.257
TCRBV13_10	0.410	-0.242	-1.887	-1.004	0.312
TCRBV13_11	0.428	0.590	0.728	-0.956	0.598
TCRBV13_12	0.300	0.096	0.012	0.015	0.275
TCRBV13_13	-0.074	-0.145	-0.005	0.036	-0.065
TCRBV14_5	0.143	0.091	0.098	-0.168	0.061
TCRBV14_6	-0.006	-0.451	0.205	-0.471	-0.095
TCRBV14_7	0.196	-0.358	-1.411	-0.055	1.201
TCRBV14_8	0.723	0.278	-1.039	-0.522	-0.216
TCRBV14_9	-0.986	-0.709	0.892	1.919	-0.163
TCRBV14_10	-0.069	0.383	0.959	-0.075	0.459
TCRBV14_11	0.144	0.249	0.290	-0.350	-1.433
TCRBV14_12	-0.131	0.468	0.006	-0.219	0.121
TCRBV14_13	-0.014	0.049	0.000	-0.058	0.065
TCRBV15_4	0.085	0.146	0.111	0.076	0.114
TCRBV15_5	-0.014	0.965	-0.858	0.796	-2.141
TCRBV15_6	-0.782	0.032	0.709	0.119	0.178
TCRBV15_7	-0.568	-0.412	1.741	0.356	-0.017
TCRBV15_8	0.590	-0.164	0.529	1.953	0.471
TCRBV15_9	2.449	0.557	-1.023	-1.399	0.259
TCRBV15_10	1.173	0.101	-0.702	-0.744	1.992
TCRBV15_11	0.787	-0.388	-0.279	-0.434	0.660
TCRBV15_12	0.037	-0.102	-0.482	-0.042	0.311
TCRBV16_5	-0.149	-0.080	0.366	-0.042	-0.038
TCRBV16_6	-1.187	-0.135	0.822	-0.106	-0.203
TCRBV16_7	-0.990	-2.100	-0.183	-2.733	-1.300
TCRBV16_8	0.923	-2.155	-0.251	0.053	0.684
TCRBV16_9	6.027	-2.138	-0.724	0.202	0.053
TCRBV16_10	1.533	4.222	0.883	1.462	1.876
TCRBV16_11	0.283	3.477	1.545	0.794	-3.877
TCRBV16_12	0.862	-2.339	-0.839	3.805	1.543
TCRBV16_13	-0.014	0.144	-0.078	0.191	-0.021

FIGURE 102

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

10/519950

129/218

TCRBV18_3	0.010	-0.005	0.011	0.004	0.026
TCRBV18_4	0.376	-0.071	0.845	0.676	-0.408
TCRBV18_5	0.044	-0.234	1.934	0.669	-0.082
TCRBV18_6	1.002	-2.737	2.759	0.137	-0.167
TCRBV18_7	-0.923	-2.518	4.985	-2.402	-0.768
TCRBV18_8	0.355	-3.888	-0.600	-3.218	0.983
TCRBV18_9	-1.719	0.752	-1.847	-1.847	2.425
TCRBV18_10	-0.495	0.068	-1.102	0.650	0.739
TCRBV18_11	-0.631	0.660	-0.391	0.157	0.008
TCRBV18_12	0.019	0.095	-0.038	0.137	0.035
TCRBV18_13	0.015	0.021	0.036	-0.010	0.075
TCRBV20_5	0.091	0.012	-0.065	-0.190	-0.227
TCRBV20_6	-0.052	-0.617	-0.670	-0.484	-0.213
TCRBV20_7	0.660	-0.862	0.571	0.475	-0.101
TCRBV20_8	1.607	0.279	-0.753	0.098	-1.345
TCRBV20_9	-1.161	-1.488	-0.001	-0.149	1.441
TCRBV20_10	0.864	0.735	0.117	0.790	1.829
TCRBV20_11	1.879	0.292	0.966	-0.001	1.358
TCRBV20_12	0.598	0.964	0.263	-0.659	0.373
TCRBV20_13	-0.797	1.301	-0.772	0.738	-1.378
TCRBV20_14	0.069	0.118	0.090	0.062	0.092

	11	12	13	14	15
TCRBV01_6	-0.078	0.174	0.009	-0.004	0.123
TCRBV01_7	-0.512	0.096	0.280	0.259	-0.011
TCRBV01_8	-1.333	0.323	0.740	-0.141	-1.727
TCRBV01_9	0.102	-0.588	-2.611	-0.115	-1.011
TCRBV01_10	-0.980	0.909	3.932	-0.993	-0.110
TCRBV01_11	0.693	0.718	-0.735	1.775	1.186
TCRBV01_12	1.174	0.599	0.497	0.846	0.433
TCRBV01_13	0.033	0.051	0.068	0.129	0.190
TCRBV01_14	-0.021	0.027	0.006	-0.006	0.009
TCRBV02_6	0.154	-0.275	-0.102	0.043	-0.365
TCRBV02_7	0.127	-0.905	0.185	0.111	0.538
TCRBV02_8	-1.231	-0.227	-0.822	0.347	0.338
TCRBV02_9	-1.144	0.417	-0.684	0.218	-0.451
TCRBV02_10	-0.414	-0.026	-0.231	0.930	0.281
TCRBV02_11	0.541	-1.179	0.125	0.634	0.701
TCRBV02_12	0.220	-0.146	-0.256	0.435	0.421
TCRBV02_13	-0.051	0.004	0.124	-0.055	-0.160
TCRBV03_4	0.047	0.061	0.043	-0.069	-0.034
TCRBV03_5	0.094	0.128	0.070	-0.063	-0.009
TCRBV03_6	-0.130	0.799	0.618	0.029	-0.061
TCRBV03_7	0.615	0.934	0.470	-0.218	0.970
TCRBV03_8	-0.486	2.181	0.323	-1.628	1.389
TCRBV03_9	-0.872	2.185	0.844	0.028	-0.153
TCRBV03_10	0.055	-1.247	-0.165	-1.776	-0.932
TCRBV03_11	1.977	-1.766	-0.699	2.395	-1.069
TCRBV03_12	0.074	-0.246	-0.413	1.289	0.247
TCRBV03_13	-2.295	-0.721	1.094	1.764	-0.772
TCRBV04_6	0.020	0.001	0.001	0.002	0.012
TCRBV04_7	0.136	-0.017	-0.107	0.240	0.248
TCRBV04_8	-0.292	-0.174	-0.504	0.658	0.212
TCRBV04_9	-1.217	-0.900	-1.231	0.313	1.284
TCRBV04_10	-0.374	-0.005	0.463	1.101	-0.221
TCRBV04_11	1.439	0.706	0.508	1.235	-0.646
TCRBV04_12	0.914	0.618	0.450	0.448	-0.682
TCRBV04_13	-0.411	0.451	1.487	-3.362	1.290
TCRBV04_14	-0.468	-0.813	-0.881	-0.561	-1.477
TCRBV04_15	0.252	0.13	-0.187	-0.076	-0.019
TCRBV051_5	0.037	0.085	-0.165	0.011	-0.021
TCRBV051_6	0.984	0.372	-0.124	0.178	-0.348
TCRBV051_7	0.266	-1.065	-0.286	0.797	0.201

FIGURE 102 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

10/519950

130/218

TCRBV051_8	1.067	0.727	1.573	0.059	1.657
TCRBV051_9	0.749	-1.256	1.719	1.549	0.140
TCRBV051_10	1.252	2.882	-0.338	0.221	-0.562
TCRBV051_11	1.331	0.911	-0.892	0.305	1.625
TCRBV051_12	-0.100	-1.198	-0.412	-0.321	-0.780
TCRBV051_13	-0.026	0.003	-0.199	-0.045	-0.040
TCRBV052_6	-0.018	0.036	-0.400	0.167	-0.219
TCRBV052_7	0.832	-0.605	-0.637	0.979	-0.694
TCRBV052_8	2.655	0.253	0.421	0.442	-1.192
TCRBV052_9	-1.275	-1.512	-2.308	2.217	1.751
TCRBV052_10	2.679	-1.899	1.344	0.242	-0.080
TCRBV052_11	0.694	-1.580	1.672	-0.806	1.779
TCRBV052_12	0.052	-0.423	0.878	-0.484	0.659
TCRBV052_13	-0.059	-0.027	-0.092	-0.004	-0.132
TCRBV06_5	0.015	-0.002	-0.078	0.045	0.027
TCRBV06_6	0.873	0.757	-0.508	0.284	0.106
TCRBV06_7	0.419	0.450	-0.304	-0.381	0.385
TCRBV06_8	0.174	-0.321	-0.052	0.291	0.033
TCRBV06_9	-0.676	2.490	-0.582	0.293	-1.469
TCRBV06_10	-0.778	0.460	0.997	0.924	-0.431
TCRBV06_11	-0.564	-1.128	1.080	-0.398	0.380
TCRBV06_12	-0.224	-0.449	1.517	0.698	0.343
TCRBV06_13	-0.160	0.051	0.115	-0.005	-0.292
TCRBV07_5	0.000	-0.002	0.007	0.013	-0.004
TCRBV07_6	-0.073	0.647	-0.249	1.430	-0.438
TCRBV07_7	0.061	2.148	-1.865	2.078	-2.463
TCRBV07_8	0.610	0.469	0.846	0.991	0.191
TCRBV07_9	3.442	-1.141	2.762	1.322	1.160
TCRBV07_10	-2.361	-1.803	0.384	-2.036	0.444
TCRBV07_11	-1.323	1.075	-0.452	-1.209	-0.014
TCRBV07_12	-1.169	0.638	0.747	-0.781	0.214
TCRBV07_13	-0.109	0.278	0.005	-0.058	-0.009
TCRBV081_5	0.197	0.148	-0.058	0.048	-0.062
TCRBV081_6	0.170	-0.052	-0.968	0.605	-0.198
TCRBV081_7	-0.839	-0.620	-1.479	0.460	-0.679
TCRBV081_8	0.396	0.900	-0.862	0.605	-0.973
TCRBV081_9	2.751	-2.471	2.729	-1.778	-2.626
TCRBV081_10	-1.599	1.636	0.241	0.148	1.929
TCRBV081_11	-0.824	0.565	-0.030	0.057	1.747
TCRBV081_12	-0.252	-0.106	0.427	-0.145	0.861
TCRBV082_4	0.306	0.138	-0.257	-0.115	0.042
TCRBV082_5	0.898	0.162	-0.632	0.113	0.380
TCRBV082_6	0.468	0.356	-0.328	0.318	0.175
TCRBV082_7	1.392	0.760	-1.129	-0.025	0.290
TCRBV082_8	-0.942	0.537	0.677	0.358	-0.111
TCRBV082_9	-1.243	-1.178	0.933	-0.276	-0.903
TCRBV082_10	-0.635	-0.447	0.845	-0.179	0.033
TCRBV082_11	-0.244	-0.328	-0.109	-0.193	0.095
TCRBV083_4	-0.164	-0.052	0.069	0.119	-0.066
TCRBV083_5	-0.099	-0.045	0.280	-0.196	0.004
TCRBV083_6	0.242	-0.026	-0.030	0.469	-0.242
TCRBV083_7	-0.947	-2.132	-0.733	-0.681	-0.412
TCRBV083_8	-0.394	-0.908	-0.263	-0.506	0.589
TCRBV083_9	0.540	1.475	0.937	1.007	0.280
TCRBV083_10	0.306	0.961	0.788	0.869	-0.446
TCRBV083_11	0.672	1.016	-1.164	-0.405	0.471
TCRBV083_12	-0.156	-0.289	0.116	-0.677	-0.178
TCRBV09_5	0.266	0.179	-0.059	0.078	-0.128
TCRBV09_6	-0.111	0.146	0.128	0.116	-0.105
TCRBV09_7	-0.594	-0.490	0.412	0.140	-0.174
TCRBV09_8	2.326	1.296	-4.307	-0.116	-0.213
TCRBV09_9	-4.105	-2.611	1.735	2.524	-0.563
TCRBV09_10	1.694	-0.367	2.112	2.090	-0.820
TCRBV09_11	-1.337	-0.362	-0.255	1.706	1.682

FIGURE 102 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
131/218

10/519950

TCRBV09_12	0.541	-0.364	0.534	-1.227	-0.188
TCRBV09_13	0.211	0.151	-0.133	-0.311	0.074
TCRBV09_14	0.125	0.130	0.114	-0.045	0.051
TCRBV09_15	0.009	0.002	-0.025	-0.027	0.013
TCRBV10_6	-0.012	0.368	-0.653	0.868	0.090
TCRBV10_7	-0.912	0.002	-0.393	0.171	-0.084
TCRBV10_8	0.355	0.095	-0.061	0.674	-0.364
TCRBV10_9	-1.991	-2.010	-0.427	0.144	1.149
TCRBV10_10	1.567	0.473	0.279	-1.791	0.670
TCRBV10_11	0.695	1.273	0.407	-0.031	-1.730
TCRBV10_12	0.275	-0.231	0.827	-0.000	0.285
TCRBV10_13	0.023	0.029	0.021	-0.033	-0.016
TCRBV11_5	-0.193	-0.014	0.031	0.315	0.141
TCRBV11_6	0.376	-0.396	0.466	0.083	0.262
TCRBV11_7	-1.021	-0.708	-0.515	0.206	-0.530
TCRBV11_8	-0.618	-0.189	-0.437	0.867	-0.265
TCRBV11_9	-0.559	0.011	0.206	-2.024	1.101
TCRBV11_10	0.684	1.088	0.268	0.829	-0.592
TCRBV11_11	-0.032	0.970	1.096	0.727	0.166
TCRBV11_12	0.295	0.819	0.576	1.136	-0.948
TCRBV11_13	0.007	0.547	0.366	-0.183	-0.153
TCRBV11_14	0.102	0.132	0.094	-0.150	-0.074
TCRBV11_15	0.038	0.049	0.035	-0.056	-0.027
TCRBV12_4	-0.091	0.082	-0.005	-0.348	0.187
TCRBV12_5	-1.887	-0.275	-0.056	0.520	0.450
TCRBV12_6	-1.370	-1.728	-0.007	-1.965	1.374
TCRBV12_7	-0.900	-1.145	0.008	0.832	0.147
TCRBV12_8	-0.161	-0.736	0.491	0.882	-0.985
TCRBV12_9	1.034	1.046	-0.573	0.630	0.530
TCRBV12_10	2.665	2.278	0.950	-0.544	-1.339
TCRBV12_11	0.437	0.418	-0.469	-0.049	-0.546
TCRBV12_12	0.273	0.061	-0.338	0.042	0.183
TCRBV13_5	0.028	0.098	0.045	-0.072	-0.086
TCRBV13_6	-0.577	0.100	-0.288	-0.483	-2.301
TCRBV13_7	-0.692	1.404	0.701	0.790	-0.563
TCRBV13_8	-1.035	1.378	1.371	1.368	-0.324
TCRBV13_9	-1.463	0.973	-0.447	-2.218	0.425
TCRBV13_10	2.114	-2.950	-0.854	-0.823	1.730
TCRBV13_11	1.287	-0.497	-1.093	1.108	1.210
TCRBV13_12	0.316	-0.348	0.284	0.370	0.021
TCRBV13_13	0.021	-0.157	0.282	-0.039	-0.113
TCRBV14_5	-0.049	-0.091	-0.288	0.112	0.008
TCRBV14_6	0.008	-0.564	0.211	-0.628	0.052
TCRBV14_7	-0.276	-0.354	-0.163	1.050	0.214
TCRBV14_8	-0.362	0.764	1.069	1.242	-1.025
TCRBV14_9	0.786	-0.529	-1.315	-0.640	0.109
TCRBV14_10	-0.477	-0.907	0.267	-0.782	0.454
TCRBV14_11	0.316	1.092	0.004	0.011	0.132
TCRBV14_12	0.124	0.451	0.204	-0.275	0.110
TCRBV14_13	-0.070	0.138	0.010	-0.090	-0.053
TCRBV15_4	0.012	-0.078	0.138	0.067	0.001
TCRBV15_5	-1.850	0.707	0.205	2.402	1.265
TCRBV15_6	0.065	1.000	0.117	-0.358	-0.624
TCRBV15_7	1.385	-0.331	-0.309	0.726	-0.696
TCRBV15_8	1.706	-0.015	-1.181	-0.679	-0.295
TCRBV15_9	-1.423	-2.321	0.532	-2.150	-2.565
TCRBV15_10	-0.206	2.095	1.694	1.098	1.240
TCRBV15_11	-0.457	1.007	0.755	0.430	0.465
TCRBV15_12	-0.154	0.244	0.236	0.214	0.289
TCRBV16_5	-0.091	0.009	0.033	0.184	-0.132
TCRBV16_6	-0.820	0.114	-0.049	1.644	0.804
TCRBV16_7	1.402	0.547	2.353	-1.251	0.165
TCRBV16_8	-0.242	-1.401	0.563	0.608	-1.375

FIGURE 102 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
132/218

10/519950

TCRBV16_9	-0.508	-1.945	-2.137	0.262	-1.293
TCRBV16_10	1.217	-1.664	2.018	1.802	1.830
TCRBV16_11	3.340	-0.994	-1.906	1.049	1.875
TCRBV16_12	0.410	1.889	2.087	0.325	-0.894
TCRBV16_13	-0.071	-0.004	0.100	-0.119	-0.026
TCRBV18_3	0.008	-0.001	0.009	-0.021	0.004
TCRBV18_4	0.464	-0.011	0.314	0.352	0.224
TCRBV18_5	0.602	-0.431	0.536	0.388	0.572
TCRBV18_6	1.182	-0.288	1.124	1.667	2.070
TCRBV18_7	-0.701	1.554	0.514	-0.669	-0.124
TCRBV18_8	0.382	-0.273	-0.817	-1.371	3.707
TCRBV18_9	0.826	0.369	-1.522	-0.119	0.722
TCRBV18_10	0.431	-0.395	-0.410	-0.265	1.129
TCRBV18_11	-1.118	1.089	-0.078	-0.216	0.141
TCRBV18_12	-0.017	0.102	0.061	-0.269	0.059
TCRBV18_13	0.017	0.022	-0.014	-0.002	0.015
TCRBV20_5	-0.139	-0.344	-0.040	-0.216	0.167
TCRBV20_6	-0.136	0.001	0.388	0.103	0.193
TCRBV20_7	0.527	0.900	-0.383	-0.072	-0.663
TCRBV20_8	-0.893	2.152	-0.642	-0.108	-0.774
TCRBV20_9	0.793	2.037	-0.021	-2.053	0.144
TCRBV20_10	1.088	0.647	1.517	0.033	1.514
TCRBV20_11	0.094	-2.801	0.007	0.559	-2.299
TCRBV20_12	0.625	-0.993	1.211	0.927	-0.801
TCRBV20_13	-2.891	0.774	0.037	2.526	1.599
TCRBV20_14	0.010	-0.063	0.112	0.054	0.001

16 17 18 19 20

TCRBV01_6	0.124	-0.157	0.071	0.040	-0.061
TCRBV01_7	-0.062	-0.845	0.717	0.465	-0.518
TCRBV01_8	-1.057	-0.575	0.555	0.526	0.206
TCRBV01_9	0.722	-1.905	1.473	1.528	1.108
TCRBV01_10	1.325	2.409	-0.095	-0.398	-0.287
TCRBV01_11	-0.453	0.570	0.135	-0.873	-0.276
TCRBV01_12	-0.420	-0.005	-1.074	-1.012	0.120
TCRBV01_13	0.157	0.356	-0.377	-0.476	0.195
TCRBV01_14	0.023	0.007	-0.040	-0.029	0.054
TCRBV02_6	0.124	-0.487	0.092	0.060	-0.427
TCRBV02_7	0.137	-0.177	-0.015	-0.403	0.425
TCRBV02_8	0.898	-0.608	0.935	-0.899	0.276
TCRBV02_9	0.891	-0.608	0.180	-2.825	-0.066
TCRBV02_10	0.563	-0.344	1.209	-2.132	1.038
TCRBV02_11	0.535	-0.072	0.086	-0.848	0.656
TCRBV02_12	0.057	-0.164	-0.255	0.113	0.913
TCRBV02_13	-0.119	0.038	-0.124	-0.115	0.028
TCRBV03_4	-0.080	0.063	-0.055	0.183	-0.074
TCRBV03_5	0.017	0.072	-0.042	0.251	-0.093
TCRBV03_6	-0.049	-0.981	0.734	0.182	0.651
TCRBV03_7	-0.240	-1.014	0.022	0.530	0.368
TCRBV03_8	-1.294	-0.648	-0.327	-0.074	-0.214
TCRBV03_9	0.695	0.387	1.157	-0.263	-0.296
TCRBV03_10	1.129	0.715	-1.522	-2.032	-0.622
TCRBV03_11	-0.592	0.692	0.946	0.613	0.755
TCRBV03_12	-0.058	0.619	0.307	-1.371	-0.138
TCRBV03_13	0.829	-0.050	0.147	1.753	0.204
TCRBV04_6	-0.032	-0.039	0.043	0.035	-0.003
TCRBV04_7	0.086	-0.052	-0.209	-0.021	0.669
TCRBV04_8	0.498	0.595	-0.175	0.273	0.735
TCRBV04_9	1.633	0.667	-0.553	0.853	0.758
TCRBV04_10	1.406	1.839	-1.796	0.574	0.575
TCRBV04_11	-0.894	-2.797	0.324	-0.295	-1.388
TCRBV04_12	0.243	-1.215	0.951	-0.001	-1.222
TCRBV04_13	-1.891	0.962	0.844	-1.124	-1.209

FIGURE 103

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
133/218

10/519950

TCRBV04_14	-1.180	0.062	0.229	-0.274	1.002
TCRBV04_15	0.133	-0.022	0.342	-0.019	0.082
TCRBV051_5	0.049	0.126	0.001	0.049	-0.038
TCRBV051_6	-0.172	0.329	-0.255	0.342	-0.356
TCRBV051_7	0.564	0.652	-0.237	0.532	-2.308
TCRBV051_8	-0.607	-1.852	-1.027	0.178	0.088
TCRBV051_9	0.505	2.708	-1.401	0.296	0.629
TCRBV051_10	1.410	0.309	-0.606	1.567	0.580
TCRBV051_11	0.191	-1.680	-1.705	-0.481	0.606
TCRBV051_12	-0.260	-0.387	0.506	0.405	1.067
TCRBV051_13	0.072	0.055	0.127	0.034	0.072
TCRBV052_6	-0.021	-0.066	0.048	0.285	-0.426
TCRBV052_7	0.516	0.563	0.432	0.349	-1.158
TCRBV052_8	1.275	0.287	-3.475	1.409	1.577
TCRBV052_9	0.447	2.745	-0.828	-0.674	-1.669
TCRBV052_10	0.331	0.319	0.222	0.947	0.459
TCRBV052_11	-0.075	-2.727	-0.831	0.463	0.986
TCRBV052_12	-0.760	-0.671	-0.183	0.057	0.650
TCRBV052_13	0.040	-0.190	0.018	0.086	-0.077
TCRBV06_5	0.001	0.014	-0.014	0.032	0.008
TCRBV06_6	0.318	-0.382	-0.296	0.091	0.336
TCRBV06_7	-0.106	-0.250	0.097	0.079	-0.238
TCRBV06_8	1.015	-0.993	0.506	2.042	0.232
TCRBV06_9	0.155	0.610	-1.311	-0.041	0.240
TCRBV06_10	0.775	0.108	-0.016	-0.287	-0.528
TCRBV06_11	-1.610	0.622	2.046	-0.848	-0.011
TCRBV06_12	-0.285	0.525	0.107	-0.984	0.711
TCRBV06_13	0.095	-0.399	0.248	-0.314	-0.209
TCRBV07_5	0.001	-0.006	0.033	0.003	-0.030
TCRBV07_6	-0.199	0.250	-0.337	0.099	-0.432
TCRBV07_7	-0.655	-0.015	-1.094	-0.517	-1.191
TCRBV07_8	-0.707	0.607	0.002	-0.295	-0.780
TCRBV07_9	-2.083	0.792	1.591	0.743	0.641
TCRBV07_10	2.228	-0.425	0.112	0.196	-0.042
TCRBV07_11	0.535	-1.187	0.726	-0.364	1.592
TCRBV07_12	1.107	-0.151	0.153	-0.067	0.806
TCRBV07_13	0.129	-0.010	0.181	-0.028	-0.023
TCRBV081_5	0.013	0.091	-0.109	0.007	0.044
TCRBV081_6	-0.541	0.327	0.288	0.012	-0.439
TCRBV081_7	-0.518	0.827	-0.029	0.556	-0.679
TCRBV081_8	-1.803	0.175	-0.575	0.082	-0.739
TCRBV081_9	0.123	0.510	0.698	-1.334	0.899
TCRBV081_10	2.174	-2.065	-0.454	-0.221	0.812
TCRBV081_11	0.352	-0.104	0.127	0.647	-0.016
TCRBV081_12	0.200	0.240	0.053	0.251	0.119
TCRBV082_4	0.049	0.139	0.365	0.270	0.226
TCRBV082_5	0.463	0.344	0.562	0.192	0.019
TCRBV082_6	0.073	0.598	0.327	-0.317	0.399
TCRBV082_7	0.692	0.806	0.925	-1.173	0.811
TCRBV082_8	0.196	-0.960	-0.411	0.222	0.033
TCRBV082_9	-0.748	-0.707	-0.838	0.240	-0.546
TCRBV082_10	-0.574	-0.492	-0.743	0.435	-0.707
TCRBV082_11	-0.152	0.272	-0.188	0.132	-0.235
TCRBV083_4	0.049	-0.010	0.000	0.113	0.011
TCRBV083_5	0.183	-0.010	-0.152	-0.114	0.093
TCRBV083_6	-0.087	-0.244	0.511	-0.237	-0.027
TCRBV083_7	1.562	-0.251	0.484	0.466	0.080
TCRBV083_8	1.240	0.498	0.490	0.384	-1.463
TCRBV083_9	-1.147	-0.422	-0.174	0.433	1.133
TCRBV083_10	-0.259	0.133	0.203	0.659	0.279
TCRBV083_11	-1.268	0.143	-0.426	-1.292	-0.063
TCRBV083_12	-0.273	0.162	-0.935	-0.413	-0.044
TCRBV09_5	-0.018	-0.023	-0.181	-0.007	-0.004
TCRBV09_6	-0.059	-0.000	0.298	-0.222	-0.285

FIGURE 103 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
134/218

10/519950

TCRBV09_7	-0.299	0.014	0.683	-0.647	-0.585
TCRBV09_8	0.845	0.325	1.078	-1.432	1.841
TCRBV09_9	0.057	-1.447	1.129	-0.144	-1.919
TCRBV09_10	0.091	-2.132	-0.403	-2.030	-0.489
TCRBV09_11	0.168	0.086	2.772	0.247	0.091
TCRBV09_12	0.049	-0.331	1.005	-0.468	0.093
TCRBV09_13	0.331	0.113	0.254	-0.124	0.043
TCRBV09_14	0.311	0.178	0.149	0.026	0.069
TCRBV09_15	0.042	0.067	0.015	-0.008	0.029
TCRBV10_6	-0.048	0.040	0.139	-0.675	-0.522
TCRBV10_7	0.311	-0.534	-1.023	-1.924	-0.602
TCRBV10_8	1.288	-0.821	-0.583	-1.239	0.429
TCRBV10_9	0.178	-0.709	0.306	1.088	0.276
TCRBV10_10	-0.732	0.220	0.837	0.390	1.168
TCRBV10_11	-0.260	1.184	0.179	1.810	-0.676
TCRBV10_12	-0.699	0.588	0.171	0.461	-0.036
TCRBV10_13	-0.039	0.030	-0.026	0.088	-0.036
TCRBV11_5	-0.187	0.121	-0.022	-0.054	0.064
TCRBV11_6	-0.403	-0.962	0.567	0.149	0.162
TCRBV11_7	-0.099	-0.881	0.560	-0.106	0.368
TCRBV11_8	-0.061	-0.851	0.280	-0.539	-0.037
TCRBV11_9	1.009	0.080	-0.135	0.004	-0.111
TCRBV11_10	0.417	0.408	-0.147	-0.359	0.545
TCRBV11_11	0.105	0.837	0.107	-0.425	0.336
TCRBV11_12	0.065	0.524	0.250	0.166	-0.212
TCRBV11_13	-0.249	0.392	0.070	0.387	-0.355
TCRBV11_14	-0.174	0.137	-0.119	0.398	-0.161
TCRBV11_15	-0.065	0.051	-0.044	0.148	-0.060
TCRBV12_4	-0.244	0.064	-0.262	-0.166	-0.207
TCRBV12_5	-1.143	0.239	-0.599	-0.243	-0.526
TCRBV12_6	0.699	0.772	-0.679	0.103	-0.365
TCRBV12_7	-1.397	0.324	-1.048	0.097	1.693
TCRBV12_8	1.237	-0.944	-0.089	-0.817	0.050
TCRBV12_9	-0.144	0.008	1.166	-0.049	-1.230
TCRBV12_10	0.229	-0.337	0.371	-0.210	0.230
TCRBV12_11	0.655	0.039	0.818	0.658	0.117
TCRBV12_12	0.109	-0.166	0.321	0.629	0.238
TCRBV13_5	-0.120	0.101	-0.151	0.302	-0.156
TCRBV13_6	0.219	-0.180	0.339	1.069	-0.024
TCRBV13_7	0.336	-0.753	0.308	-0.422	1.965
TCRBV13_8	-0.253	-0.434	0.583	0.931	0.916
TCRBV13_9	-0.136	0.253	-0.955	0.323	0.098
TCRBV13_10	0.615	0.796	0.191	0.492	-1.495
TCRBV13_11	-0.627	0.030	-0.067	-1.998	-1.172
TCRBV13_12	0.155	0.326	-0.308	-0.711	-0.234
TCRBV13_13	-0.189	-0.140	0.061	0.013	0.101
TCRBV14_5	-0.199	-0.049	0.061	-0.224	-0.008
TCRBV14_6	0.772	-0.000	-0.173	-0.210	-0.758
TCRBV14_7	-0.673	-0.330	1.015	0.553	0.062
TCRBV14_8	0.312	-0.529	-0.133	-0.306	-0.777
TCRBV14_9	2.124	0.026	-0.375	-0.035	1.647
TCRBV14_10	-1.006	0.793	-0.506	-0.449	-0.709
TCRBV14_11	-0.945	0.163	0.354	0.464	0.697
TCRBV14_12	-0.307	-0.108	-0.291	0.149	-0.104
TCRBV14_13	-0.079	0.033	0.048	0.059	-0.050
TCRBV15_4	-0.069	0.047	-0.002	-0.041	0.038
TCRBV15_5	-1.626	0.821	-0.612	0.508	1.755
TCRBV15_6	-0.294	-0.803	0.108	0.105	-0.695
TCRBV15_7	-0.310	-1.202	0.567	0.897	-1.000
TCRBV15_8	0.473	-0.798	-0.195	-0.387	-2.128
TCRBV15_9	-1.754	0.153	0.793	-1.055	2.012
TCRBV15_10	2.513	0.699	0.264	-0.576	0.071
TCRBV15_11	1.052	0.811	0.078	-0.046	0.332

FIGURE 103 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
135/218

10/519950

TCRBV15_12	0.373	0.129	0.365	0.366	0.157
TCRBV16_5	0.146	-0.002	0.260	0.062	-0.063
TCRBV16_6	-0.200	-0.088	-0.380	0.761	0.949
TCRBV16_7	-0.042	0.935	0.401	0.641	-0.147
TCRBV16_8	0.165	1.818	-0.501	-0.790	0.478
TCRBV16_9	-2.297	-1.579	-0.346	0.342	0.375
TCRBV16_10	1.631	-1.711	-0.706	0.161	-0.469
TCRBV16_11	1.966	0.598	0.138	-0.291	0.474
TCRBV16_12	0.732	0.347	-2.025	1.928	-0.653
TCRBV16_13	0.010	-0.203	-0.071	-0.121	-0.060
TCRBV18_3	0.003	0.009	0.025	0.002	0.021
TCRBV18_4	-0.382	0.172	1.117	-0.505	-0.140
TCRBV18_5	-0.088	0.569	2.138	-0.633	-0.143
TCRBV18_6	0.177	0.767	3.683	0.621	0.572
TCRBV18_7	0.141	2.436	0.365	-1.603	1.022
TCRBV18_8	-2.443	-0.368	-1.166	0.594	0.801
TCRBV18_9	-2.942	0.730	-0.489	1.739	-0.345
TCRBV18_10	-1.010	1.406	-1.356	1.166	-0.982
TCRBV18_11	-0.379	1.000	-0.400	0.442	-0.154
TCRBV18_12	-0.210	0.135	-0.170	0.079	-0.144
TCRBV18_13	0.017	0.073	0.006	0.008	0.032
TCRBV20_5	0.174	0.057	0.143	0.002	-0.209
TCRBV20_6	0.316	-0.883	0.112	0.476	-0.215
TCRBV20_7	1.152	-0.721	-0.117	1.019	-0.307
TCRBV20_8	0.936	0.095	1.419	2.026	-0.289
TCRBV20_9	0.848	1.014	2.647	0.289	-0.908
TCRBV20_10	-0.694	-2.291	-1.970	-1.817	-0.435
TCRBV20_11	-0.868	0.564	-0.547	-0.839	1.198
TCRBV20_12	0.171	0.778	-0.076	-0.695	0.193
TCRBV20_13	-1.621	1.203	-0.243	-0.657	1.482
TCRBV20_14	-0.056	0.038	-0.001	-0.033	0.031

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TCRBV01_6	0.176	0.112	0.092	0.019	0.220
TCRBV01_7	-0.025	0.204	0.115	0.784	-0.249
TCRBV01_8	-0.548	0.610	-0.567	0.525	0.793
TCRBV01_9	0.806	-0.919	-1.334	0.404	0.220
TCRBV01_10	1.758	1.350	-0.293	-1.577	-1.049
TCRBV01_11	0.213	-0.948	0.690	0.516	0.032
TCRBV01_12	-0.628	-0.167	1.157	0.782	0.126
TCRBV01_13	-0.014	-0.154	0.417	-0.050	0.203
TCRBV01_14	0.007	-0.030	0.022	-0.007	-0.025
TCRBV02_6	-0.154	-0.144	-0.062	-0.182	-0.046
TCRBV02_7	-0.300	-0.612	0.634	-0.200	0.247
TCRBV02_8	-0.753	-0.138	0.397	-0.490	0.138
TCRBV02_9	-0.882	-1.559	1.175	-0.541	-0.216
TCRBV02_10	-0.241	-0.310	0.858	-1.293	-0.075
TCRBV02_11	-0.595	0.219	0.346	-0.399	-0.503
TCRBV02_12	-0.223	0.216	0.268	-0.271	-0.172
TCRBV02_13	-0.083	0.054	-0.072	-0.051	0.146
TCRBV03_4	0.084	0.059	-0.092	0.089	0.012
TCRBV03_5	0.260	0.057	-0.045	0.149	0.083
TCRBV03_6	0.805	0.524	0.640	0.081	0.446
TCRBV03_7	0.367	0.132	1.060	-0.101	-0.038
TCRBV03_8	0.560	0.177	0.901	-0.332	0.677
TCRBV03_9	1.092	-0.183	-0.343	0.379	-0.169
TCRBV03_10	-2.127	-0.655	-1.703	0.653	0.548
TCRBV03_11	0.172	0.102	-0.182	0.237	-1.295
TCRBV03_12	0.681	0.039	-0.892	-0.369	-0.379
TCRBV03_13	-0.149	-0.193	0.955	0.609	0.385
TCRBV04_6	-0.011	0.031	0.032	-0.044	-0.079
TCRBV04_7	0.125	0.106	0.112	0.430	-0.034
TCRBV04_8	0.159	0.143	0.492	0.417	0.131

FIGURE 103 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
136/218

10/519950

TCRBV04_9	-0.380	-0.497	0.305	0.967	0.401
TCRBV04_10	0.067	0.229	-0.235	-1.262	0.703
TCRBV04_11	0.696	0.081	-0.381	-1.045	-0.781
TCRBV04_12	0.930	-0.023	0.262	0.160	-0.422
TCRBV04_13	-1.525	-0.411	-0.484	0.267	-0.492
TCRBV04_14	0.085	0.119	-0.064	-0.042	0.604
TCRBV04_15	-0.145	0.222	-0.039	0.153	-0.031
TCRBV051_5	-0.187	0.084	0.140	-0.156	-0.047
TCRBV051_6	-0.784	0.005	1.127	-0.349	-1.081
TCRBV051_7	-0.145	0.663	0.917	-0.724	-1.560
TCRBV051_8	1.494	0.566	-0.074	1.290	0.101
TCRBV051_9	-2.002	-1.365	0.071	-0.026	-0.021
TCRBV051_10	0.689	0.479	-0.173	-1.119	0.751
TCRBV051_11	0.589	0.298	-2.312	-0.076	0.224
TCRBV051_12	0.311	0.128	-0.474	0.243	0.596
TCRBV051_13	-0.058	0.172	-0.043	0.226	0.025
TCRBV052_6	-0.193	0.005	0.047	-0.306	-0.083
TCRBV052_7	0.474	0.620	0.038	0.063	0.734
TCRBV052_8	-0.841	1.022	0.192	1.215	-1.125
TCRBV052_9	0.841	0.225	-0.634	0.213	0.509
TCRBV052_10	0.915	-0.694	0.182	-0.944	-0.388
TCRBV052_11	-0.563	-0.004	-0.516	-0.179	-0.233
TCRBV052_12	-0.552	-0.167	-0.179	-0.596	-0.379
TCRBV052_13	-0.175	0.021	0.050	-0.157	-0.044
TCRBV06_5	0.006	0.012	-0.049	-0.038	0.124
TCRBV06_6	0.384	-0.089	0.336	0.547	-0.537
TCRBV06_7	0.510	0.824	0.632	0.069	-0.184
TCRBV06_8	0.278	0.455	0.106	0.178	0.432
TCRBV06_9	1.472	-0.367	-0.245	-0.017	-0.570
TCRBV06_10	-0.804	-0.066	0.105	0.279	0.045
TCRBV06_11	-0.178	-0.623	0.586	0.092	1.272
TCRBV06_12	0.080	-0.207	-0.967	0.384	-0.366
TCRBV06_13	-0.004	0.120	-0.206	-0.099	0.054
TCRBV07_5	0.005	-0.011	0.025	0.001	-0.061
TCRBV07_6	0.273	-0.356	0.593	-0.086	-0.048
TCRBV07_7	-0.452	-1.366	0.766	0.175	-0.434
TCRBV07_8	-0.701	0.737	-0.779	0.164	-0.084
TCRBV07_9	0.020	-0.299	0.263	-0.804	1.635
TCRBV07_10	0.525	0.727	-0.751	1.821	-0.753
TCRBV07_11	0.931	0.422	0.884	0.200	0.171
TCRBV07_12	0.869	0.257	-0.832	-0.173	-0.303
TCRBV07_13	0.275	-0.052	0.129	0.098	0.148
TCRBV081_5	-0.186	0.018	0.214	-0.042	-0.124
TCRBV081_6	-0.383	0.415	-0.237	-0.181	0.147
TCRBV081_7	-0.135	0.263	-0.377	0.501	-0.332
TCRBV081_8	-0.470	0.091	0.358	0.083	-0.587
TCRBV081_9	1.522	-2.568	-1.689	1.176	0.150
TCRBV081_10	0.102	1.256	0.980	-0.910	0.959
TCRBV081_11	-0.321	0.553	0.529	-0.535	-0.090
TCRBV081_12	-0.129	-0.027	0.222	-0.092	-0.122
TCRBV082_4	-0.605	0.479	0.143	-0.066	0.096
TCRBV082_5	-0.214	0.771	0.245	0.443	0.490
TCRBV082_6	-0.308	1.061	0.104	0.159	0.290
TCRBV082_7	0.105	1.090	0.137	0.544	0.534
TCRBV082_8	-0.909	-2.105	-0.899	-0.301	-0.941
TCRBV082_9	0.967	-0.858	-0.159	-0.188	-0.426
TCRBV082_10	0.650	-0.672	-0.046	-0.573	-0.063
TCRBV082_11	0.313	0.234	0.474	-0.016	0.019
TCRBV083_4	-0.010	-0.006	0.079	0.049	0.038
TCRBV083_5	-0.037	-0.000	-0.069	0.041	0.079
TCRBV083_6	-0.326	-0.030	-0.069	0.140	-0.048
TCRBV083_7	-0.331	0.408	-0.024	0.293	-0.242
TCRBV083_8	-0.608	0.310	-0.479	0.183	-0.342
TCRBV083_9	-0.990	-0.398	0.460	-0.094	0.578

FIGURE 104

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
137/218

10/519950

TCRBV083_10	0.333	0.091	0.214	-0.766	0.370
TCRBV083_11	1.560	-0.275	-0.432	0.101	-0.658
TCRBV083_12	0.410	-0.100	0.321	0.054	0.226
TCRBV09_5	-0.154	-0.028	0.180	0.083	-0.236
TCRBV09_6	-0.220	0.273	0.448	-0.401	0.203
TCRBV09_7	0.191	0.844	0.598	-0.603	-0.383
TCRBV09_8	-1.128	-0.203	-0.908	-2.343	0.176
TCRBV09_9	-1.097	-0.258	0.663	-0.596	1.788
TCRBV09_10	-0.528	0.356	0.622	-0.181	-0.575
TCRBV09_11	0.462	-1.803	-1.502	-0.530	0.616
TCRBV09_12	0.124	0.435	1.089	1.636	0.320
TCRBV09_13	0.131	0.467	0.605	0.913	-0.066
TCRBV09_14	0.140	0.199	0.164	0.490	0.108
TCRBV09_15	0.030	-0.003	0.032	0.081	-0.037
TCRBV10_6	0.722	0.362	-0.485	-0.361	-0.139
TCRBV10_7	0.842	0.382	-0.713	0.063	0.823
TCRBV10_8	0.316	-0.457	-0.381	-0.072	1.074
TCRBV10_9	0.045	-0.956	1.048	0.279	-1.374
TCRBV10_10	-0.434	-0.530	0.421	-0.130	-0.567
TCRBV10_11	-1.029	0.651	0.111	0.352	0.481
TCRBV10_12	-0.502	0.520	0.044	-0.173	-0.303
TCRBV10_13	0.040	0.028	-0.044	0.043	0.006
TCRBV11_5	-0.064	0.062	-0.260	0.134	-0.098
TCRBV11_6	-0.972	0.017	-0.360	0.328	0.057
TCRBV11_7	-0.587	0.263	0.146	0.243	0.084
TCRBV11_8	0.172	-0.023	-0.417	-0.758	-0.457
TCRBV11_9	-1.042	0.612	-0.205	-1.241	-1.087
TCRBV11_10	1.012	-0.917	0.936	0.819	-0.365
TCRBV11_11	1.613	0.243	0.545	0.251	0.750
TCRBV11_12	0.682	-0.543	0.273	0.916	0.850
TCRBV11_13	0.680	0.169	-0.085	0.438	0.498
TCRBV11_14	0.183	0.129	-0.200	0.194	0.027
TCRBV11_15	0.068	0.048	-0.074	0.072	0.010
TCRBV12_4	0.022	0.053	0.180	-0.065	-0.101
TCRBV12_5	1.110	-0.584	1.057	-0.068	-0.140
TCRBV12_6	-0.075	-0.769	0.467	0.097	-0.644
TCRBV12_7	-0.259	-1.402	0.689	-0.125	-1.174
TCRBV12_8	0.087	-0.402	0.187	-0.477	-0.052
TCRBV12_9	0.119	0.966	-0.925	1.005	0.253
TCRBV12_10	-2.043	1.000	-0.114	-0.685	0.668
TCRBV12_11	0.547	0.877	-1.581	0.308	0.942
TCRBV12_12	0.492	0.262	0.041	0.011	0.249
TCRBV13_5	0.121	0.015	-0.081	-0.017	0.009
TCRBV13_6	-1.169	0.258	0.295	0.299	0.480
TCRBV13_7	0.554	1.274	0.108	-0.247	-0.776
TCRBV13_8	-0.691	-0.703	-1.262	0.501	-0.489
TCRBV13_9	0.455	0.203	0.486	-0.737	0.389
TCRBV13_10	-0.196	-0.138	1.183	0.206	-0.237
TCRBV13_11	0.740	-0.070	-0.809	-0.165	0.427
TCRBV13_12	0.053	-0.160	0.256	0.096	0.192
TCRBV13_13	0.132	-0.680	-0.176	0.063	0.005
TCRBV14_5	0.308	0.021	-0.164	-0.004	-0.105
TCRBV14_6	0.564	0.312	-0.184	-0.277	0.014
TCRBV14_7	1.453	-0.325	0.497	-0.407	-0.207
TCRBV14_8	0.303	-0.679	-0.102	0.386	0.164
TCRBV14_9	-0.497	-0.954	-0.253	-0.098	-0.256
TCRBV14_10	-1.038	1.158	-0.080	-0.496	-0.094
TCRBV14_11	-1.230	0.427	0.330	0.618	0.386
TCRBV14_12	0.086	0.023	-0.003	0.211	0.073
TCRBV14_13	0.052	0.017	-0.041	0.066	0.025
TCRBV15_4	-0.022	0.052	0.015	-0.064	0.065
TCRBV15_5	-0.051	1.008	-1.136	0.049	-0.596
TCRBV15_6	-0.773	-0.068	0.204	0.636	-0.051
TCRBV15_7	-1.179	-0.041	-0.204	0.111	-0.181

FIGURE 104 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
138/218

10/519950

TCRBV15_8	0.828	0.729	-0.001	0.308	0.060
TCRBV15_9	1.208	0.830	1.383	-0.416	0.418
TCRBV15_10	0.580	-1.442	0.006	0.863	0.370
TCRBV15_11	0.879	-0.697	0.040	-0.025	0.349
TCRBV15_12	0.276	-0.312	-0.008	-0.065	-0.163
TCRBV16_5	-0.131	0.237	0.055	0.198	-0.079
TCRBV16_6	-0.499	0.666	-0.886	1.169	0.117
TCRBV16_7	-0.295	0.423	-0.001	-1.066	0.136
TCRBV16_8	-0.055	0.742	0.373	1.006	0.007
TCRBV16_9	0.553	-0.298	-0.533	0.181	-1.618
TCRBV16_10	-0.445	0.654	-2.438	-0.383	0.453
TCRBV16_11	1.179	-0.232	2.576	0.828	0.555
TCRBV16_12	1.234	-1.220	0.280	-1.105	-0.258
TCRBV16_13	0.110	0.115	0.051	-0.121	-0.053
TCRBV18_3	0.002	-0.007	0.012	0.016	-0.028
TCRBV18_4	-0.345	0.670	0.183	0.552	-0.536
TCRBV18_5	-0.407	0.864	0.120	0.568	-0.878
TCRBV18_6	-0.245	0.101	0.120	0.372	-2.058
TCRBV18_7	-1.112	-0.788	-0.503	0.752	0.228
TCRBV18_8	0.099	-1.862	0.205	-0.204	1.216
TCRBV18_9	0.612	-0.109	-0.765	0.095	0.892
TCRBV18_10	0.873	-0.445	-0.474	-0.505	0.795
TCRBV18_11	0.327	0.278	-0.587	0.179	-0.186
TCRBV18_12	0.117	0.057	-0.029	0.069	-0.053
TCRBV18_13	-0.060	0.025	0.067	-0.066	0.020
TCRBV20_5	-0.155	-0.149	-0.129	0.106	-0.029
TCRBV20_6	-0.480	0.164	-0.032	0.041	0.879
TCRBV20_7	0.101	-0.950	0.416	-0.827	-0.719
TCRBV20_8	-0.927	-1.448	0.547	0.407	1.055
TCRBV20_9	1.665	-0.690	-0.903	0.222	-1.122
TCRBV20_10	-0.152	0.082	0.733	1.987	0.025
TCRBV20_11	1.612	1.397	0.181	-0.414	0.622
TCRBV20_12	0.094	0.274	0.268	-0.489	0.438
TCRBV20_13	0.006	1.336	-0.794	0.415	-0.930
TCRBV20_14	-0.018	0.042	0.012	-0.052	0.052
26 27 28 29 30					
TCRBV01_6	-0.202	-0.173	-0.047	0.033	0.145
TCRBV01_7	-0.078	-0.189	0.155	0.172	-0.121
TCRBV01_8	0.777	0.327	0.297	0.175	0.398
TCRBV01_9	0.358	0.670	-0.505	-1.099	-1.170
TCRBV01_10	0.181	0.121	-0.041	0.488	0.052
TCRBV01_11	0.142	0.104	0.155	0.100	0.322
TCRBV01_12	0.180	-0.363	-0.174	0.290	0.364
TCRBV01_13	0.092	0.227	0.053	0.046	-0.015
TCRBV01_14	0.021	0.030	0.018	-0.007	0.004
TCRBV02_6	0.003	0.027	-0.094	0.174	0.716
TCRBV02_7	0.504	-0.302	-0.266	0.158	-0.047
TCRBV02_8	-0.324	-0.440	-0.028	-0.282	0.282
TCRBV02_9	-1.091	0.926	0.506	0.292	-0.324
TCRBV02_10	-0.999	0.221	0.548	-0.144	0.010
TCRBV02_11	-0.992	0.143	-0.135	-0.056	-0.027
TCRBV02_12	-0.464	-0.114	0.553	-0.206	0.057
TCRBV02_13	-0.078	-0.051	-0.008	-0.158	0.002
TCRBV03_4	0.089	-0.011	-0.028	0.006	-0.017
TCRBV03_5	-0.011	-0.028	0.016	0.096	-0.002
TCRBV03_6	0.558	-0.170	0.019	0.282	-0.220
TCRBV03_7	0.303	-0.272	0.535	-0.055	-0.301
TCRBV03_8	-0.346	-0.173	1.131	-0.456	-0.218
TCRBV03_9	-0.599	-0.208	-0.268	-0.890	0.365
TCRBV03_10	0.111	0.363	0.357	0.032	0.553
TCRBV03_11	0.539	0.257	-0.549	0.608	-0.206

FIGURE 104 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
139/218

10/519950

TCRBV03_12	0.462	-0.235	-0.704	0.351	0.054
TCRBV03_13	0.364	1.230	-0.599	0.225	-0.028
TCRBV04_6	-0.077	0.040	0.017	0.051	0.045
TCRBV04_7	0.065	-0.373	0.127	0.131	0.327
TCRBV04_8	0.501	-0.621	-0.021	0.118	-0.199
TCRBV04_9	0.646	-1.073	0.121	0.612	-0.214
TCRBV04_10	-0.266	0.339	-0.595	-1.448	-0.492
TCRBV04_11	-0.192	0.607	-0.088	0.668	-0.148
TCRBV04_12	-0.249	0.168	0.115	0.937	0.617
TCRBV04_13	-0.147	0.626	-0.038	-0.248	0.120
TCRBV04_14	-0.370	0.090	0.280	-0.437	-0.093
TCRBV04_15	0.088	0.198	0.080	-0.383	0.038
TCRBV051_5	0.095	-0.072	-0.117	0.091	0.322
TCRBV051_6	0.300	-0.742	-0.158	0.665	-0.061
TCRBV051_7	1.154	0.150	0.548	-0.309	0.131
TCRBV051_8	-1.168	-0.692	-0.229	-0.912	0.212
TCRBV051_9	0.976	1.173	1.475	0.917	-0.242
TCRBV051_10	-1.264	0.031	-0.311	0.388	-0.368
TCRBV051_11	0.470	0.370	0.480	-0.433	0.694
TCRBV051_12	-0.706	-0.664	-0.425	0.434	0.334
TCRBV051_13	-0.006	0.036	-0.079	-0.212	0.323
TCRBV052_6	-0.000	-0.001	0.129	-0.560	0.064
TCRBV052_7	-0.333	0.676	0.304	-0.790	0.025
TCRBV052_8	-0.546	-0.549	0.473	-0.043	0.581
TCRBV052_9	0.330	-0.116	-0.366	0.897	-0.606
TCRBV052_10	-0.455	-0.901	0.349	0.189	0.489
TCRBV052_11	0.885	0.292	0.343	0.291	0.434
TCRBV052_12	0.151	0.068	-0.110	0.506	0.378
TCRBV052_13	-0.182	0.121	0.060	0.139	-0.017
TCRBV06_5	0.019	-0.053	0.071	0.071	0.009
TCRBV06_6	-0.364	-0.263	0.103	0.178	-0.106
TCRBV06_7	0.036	-0.190	0.745	0.582	-0.091
TCRBV06_8	-0.246	-0.401	0.456	-0.169	-0.512
TCRBV06_9	-1.055	0.098	0.255	0.189	-0.909
TCRBV06_10	0.811	1.255	-0.533	-0.726	0.203
TCRBV06_11	1.757	0.041	-0.638	-0.549	0.587
TCRBV06_12	0.007	-0.043	-0.614	0.246	0.821
TCRBV06_13	0.505	0.310	0.064	0.379	-0.023
TCRBV07_5	-0.008	-0.009	0.025	-0.037	-0.034
TCRBV07_6	0.158	0.794	-0.811	-0.267	0.119
TCRBV07_7	0.186	0.154	-0.658	-0.270	0.274
TCRBV07_8	-0.102	-0.646	-0.247	0.820	-0.469
TCRBV07_9	0.988	0.655	0.107	-1.057	-0.005
TCRBV07_10	-0.005	-0.136	0.508	0.254	0.536
TCRBV07_11	0.947	0.498	0.487	0.199	-0.428
TCRBV07_12	-0.505	-0.544	0.455	0.428	-0.000
TCRBV07_13	-0.188	-0.013	0.043	0.130	-0.013
TCRBV081_5	0.015	-0.163	-0.033	0.165	0.068
TCRBV081_6	0.340	-0.221	0.134	-0.209	0.390
TCRBV081_7	0.196	0.983	0.882	-0.781	0.283
TCRBV081_8	0.018	0.290	1.469	-0.344	0.362
TCRBV081_9	-0.341	0.693	0.100	0.604	-0.275
TCRBV081_10	-0.120	-0.935	-0.876	-0.295	0.917
TCRBV081_11	-0.066	-0.504	-0.345	0.167	-0.487
TCRBV081_12	-0.043	-0.144	-1.332	0.692	-1.259
TCRBV082_4	-0.267	0.115	0.380	0.258	0.345
TCRBV082_5	-0.027	0.511	-0.006	0.191	0.217
TCRBV082_6	-0.029	0.512	0.684	0.553	0.447
TCRBV082_7	-0.075	0.719	-0.209	0.577	0.049
TCRBV082_8	-0.099	-0.784	-0.190	-0.494	-0.021
TCRBV082_9	0.376	-0.543	-0.367	-0.632	-0.330
TCRBV082_10	-0.155	-0.423	-0.153	-0.418	-0.374
TCRBV082_11	0.275	-0.108	-0.139	-0.034	-0.332
TCRBV083_4	0.026	0.095	-0.041	0.017	-0.000

FIGURE 104 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
140/218

10/519950

TCRBV083_5	-0.095	-0.090	-0.301	0.208	-0.310
TCRBV083_6	-0.365	0.072	-0.393	0.206	-0.193
TCRBV083_7	-0.307	0.082	-0.850	0.039	-0.266
TCRBV083_8	-0.246	0.198	-0.447	0.165	0.648
TCRBV083_9	0.032	-0.558	0.305	-0.293	-0.202
TCRBV083_10	0.487	0.366	0.362	-0.291	-0.267
TCRBV083_11	0.254	-0.423	0.741	0.074	0.065
TCRBV083_12	0.212	0.258	0.623	-0.126	0.525
TCRBV09_5	-0.009	-0.187	-0.075	0.104	0.032
TCRBV09_6	-0.060	-0.095	0.170	-0.202	0.084
TCRBV09_7	-0.322	-0.221	0.730	0.444	-0.431
TCRBV09_8	-0.200	-0.387	-0.064	-0.400	-0.451
TCRBV09_9	-1.272	-0.683	1.048	0.775	-0.097
TCRBV09_10	-0.704	0.103	-1.093	0.460	0.947
TCRBV09_11	0.085	-1.288	0.082	0.418	0.021
TCRBV09_12	-0.859	0.702	-1.093	-0.856	0.552
TCRBV09_13	-0.235	0.495	-0.389	-0.297	-0.352
TCRBV09_14	-0.100	0.184	0.152	0.069	0.097
TCRBV09_15	-0.017	0.068	0.041	0.042	-0.074
TCRBV10_6	0.297	0.039	0.045	-0.334	0.420
TCRBV10_7	0.439	-0.491	0.188	0.207	0.390
TCRBV10_8	0.633	0.591	0.583	-0.091	0.481
TCRBV10_9	0.639	0.461	0.981	-0.555	-0.853
TCRBV10_10	0.389	-0.797	-0.232	-0.116	-0.167
TCRBV10_11	-1.769	0.224	-0.595	0.531	-0.325
TCRBV10_12	-0.671	-0.022	-0.956	0.355	0.062
TCRBV10_13	0.043	-0.005	-0.013	0.003	-0.008
TCRBV11_5	0.092	0.215	-0.106	0.099	0.087
TCRBV11_6	0.025	-0.117	0.066	0.195	0.215
TCRBV11_7	0.289	0.254	-0.198	0.658	-0.015
TCRBV11_8	0.671	-0.420	0.403	0.608	0.132
TCRBV11_9	0.102	0.910	0.055	-0.293	-0.308
TCRBV11_10	0.501	0.385	-0.148	-0.130	-0.076
TCRBV11_11	0.001	0.372	-0.022	-0.481	0.018
TCRBV11_12	-0.534	-0.716	-0.048	-0.342	0.086
TCRBV11_13	0.055	-0.098	-0.010	-0.133	-0.107
TCRBV11_14	0.194	-0.023	-0.061	0.013	-0.038
TCRBV11_15	0.072	-0.009	-0.023	0.005	-0.014
TCRBV12_4	0.063	0.093	-0.032	0.160	0.048
TCRBV12_5	0.547	0.406	-0.901	0.493	-0.088
TCRBV12_6	0.015	-0.262	-0.075	-0.603	0.862
TCRBV12_7	-0.338	-0.765	-0.332	-0.421	0.136
TCRBV12_8	-0.346	0.402	0.469	0.321	-0.268
TCRBV12_9	0.128	-0.130	0.618	0.256	-0.225
TCRBV12_10	-0.084	0.212	-0.067	0.144	-0.508
TCRBV12_11	0.065	-0.002	0.339	-0.119	-0.125
TCRBV12_12	-0.049	0.045	-0.018	-0.232	0.168
TCRBV13_5	0.134	-0.043	-0.026	-0.075	-0.077
TCRBV13_6	-0.455	0.187	-0.305	0.187	-0.607
TCRBV13_7	1.379	0.112	-0.400	0.364	0.455
TCRBV13_8	-0.206	-0.742	0.866	0.551	-0.291
TCRBV13_9	-0.552	1.274	0.468	0.356	0.763
TCRBV13_10	-0.064	-0.313	0.061	-0.774	-0.327
TCRBV13_11	-0.172	-0.645	-0.488	-0.527	-0.411
TCRBV13_12	0.022	0.212	-0.287	-0.298	0.283
TCRBV13_13	-0.087	-0.042	0.111	0.217	0.213
TCRBV14_5	0.043	-0.197	-0.047	0.044	-0.007
TCRBV14_6	0.033	-0.131	0.080	0.067	-0.056
TCRBV14_7	0.549	0.205	0.166	-0.187	0.236
TCRBV14_8	-0.499	0.691	0.235	0.008	-0.218
TCRBV14_9	0.479	0.757	-0.523	0.098	0.099
TCRBV14_10	-1.073	-0.076	-0.466	-0.276	-0.006
TCRBV14_11	0.382	-1.236	0.478	0.254	-0.056
TCRBV14_12	0.029	-0.014	0.115	-0.001	0.042

FIGURE 105

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
141/218

10/519950

TCRBV14_13	0.056	0.001	-0.038	-0.008	-0.034
TCRBV15_4	-0.012	-0.074	0.008	-0.185	-0.024
TCRBV15_5	-0.333	0.810	-0.200	0.363	0.228
TCRBV15_6	0.096	0.049	-0.169	0.347	0.092
TCRBV15_7	1.306	-0.907	-0.742	0.105	0.265
TCRBV15_8	0.958	0.577	-0.079	-0.265	-0.664
TCRBV15_9	0.368	0.137	-0.007	0.657	-0.303
TCRBV15_10	-0.563	0.401	0.636	-0.747	0.476
TCRBV15_11	-0.275	-0.223	0.463	-0.132	-0.037
TCRBV15_12	-0.074	-0.016	-0.002	0.057	-0.056
TCRBV16_5	0.002	0.162	0.110	-0.150	0.038
TCRBV16_6	0.245	1.253	-0.268	0.049	-0.097
TCRBV16_7	1.056	0.195	0.512	0.207	-0.292
TCRBV16_8	1.032	-1.770	-0.134	-0.369	0.366
TCRBV16_9	-0.786	0.057	0.661	-0.379	0.802
TCRBV16_10	0.052	0.426	0.296	0.136	-0.490
TCRBV16_11	-0.134	0.080	0.459	1.341	0.655
TCRBV16_12	-0.373	-0.169	-0.732	-0.136	0.291
TCRBV16_13	0.227	0.109	0.187	0.131	0.054
TCRBV18_3	-0.011	-0.018	-0.005	0.012	-0.006
TCRBV18_4	-0.385	0.155	0.296	-0.584	-0.075
TCRBV18_5	-1.028	-0.527	0.357	-0.442	0.315
TCRBV18_6	-1.260	0.842	0.617	-0.909	-0.125
TCRBV18_7	-0.193	-1.547	-0.017	-0.470	-0.537
TCRBV18_8	-1.171	1.573	-0.965	1.106	0.010
TCRBV18_9	-0.879	-0.272	0.121	0.609	1.186
TCRBV18_10	0.039	-0.131	0.680	0.363	-0.174
TCRBV18_11	0.204	-0.378	0.270	-0.017	-0.215
TCRBV18_12	0.103	0.052	0.174	0.010	0.103
TCRBV18_13	0.014	-0.029	0.011	0.067	0.033
TCRBV20_5	0.280	0.036	-0.046	0.038	0.125
TCRBV20_6	0.542	-0.193	-0.693	-0.806	0.759
TCRBV20_7	0.607	0.076	0.128	-0.035	0.560
TCRBV20_8	-0.045	0.321	0.621	0.470	0.751
TCRBV20_9	0.289	0.033	-0.723	1.306	0.168
TCRBV20_10	0.205	-0.131	0.222	0.118	-2.418
TCRBV20_11	-0.540	0.134	0.724	-0.342	-0.123
TCRBV20_12	0.086	-0.456	0.225	-0.390	0.227
TCRBV20_13	0.054	0.993	-0.555	-0.010	-0.050
TCRBV20_14	-0.009	-0.060	0.007	-0.150	-0.019
31 32 33 34 35					
TCRBV01_6	-0.018	0.070	0.011	0.093	0.015
TCRBV01_7	0.623	0.102	0.195	0.141	0.047
TCRBV01_8	0.678	-0.704	0.327	-0.704	0.059
TCRBV01_9	0.879	1.282	0.305	0.333	0.123
TCRBV01_10	-0.250	0.005	-0.065	-0.239	-0.013
TCRBV01_11	-1.133	-0.810	-0.609	0.385	-0.278
TCRBV01_12	-0.410	0.356	-0.278	-0.117	-0.078
TCRBV01_13	-0.154	-0.135	-0.249	-0.156	-0.062
TCRBV01_14	0.006	-0.005	0.005	0.009	-0.021
TCRBV02_6	0.177	0.356	-0.049	0.221	0.287
TCRBV02_7	-0.560	0.001	-0.021	-0.055	0.303
TCRBV02_8	0.353	-0.334	0.209	-0.125	0.170
TCRBV02_9	0.090	-0.538	-0.084	1.106	0.298
TCRBV02_10	0.124	0.199	0.518	0.361	-0.133
TCRBV02_11	0.075	0.057	0.255	0.155	-0.296
TCRBV02_12	-0.547	-0.180	0.474	-0.264	-0.089
TCRBV02_13	-0.026	-0.190	0.304	-0.027	0.105
TCRBV03_4	0.008	0.016	-0.042	-0.036	-0.017
TCRBV03_5	-0.042	0.028	-0.033	0.072	0.015
TCRBV03_6	0.674	-0.302	-0.291	-0.348	0.138

FIGURE 105 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
142/218

10/519950

TCRBV03_7	0.077	-0.182	0.433	0.105	-0.334
TCRBV03_8	0.153	-0.595	0.393	-0.247	0.172
TCRBV03_9	-0.075	0.146	0.024	-0.469	0.315
TCRBV03_10	-0.903	0.337	-0.269	0.435	-0.141
TCRBV03_11	0.134	0.223	0.046	0.759	-0.637
TCRBV03_12	-0.009	0.547	-0.302	0.033	0.410
TCRBV03_13	0.203	-0.056	-0.318	-0.559	-0.130
TCRBV04_6	-0.079	0.050	-0.030	-0.049	0.007
TCRBV04_7	-0.166	0.108	-0.211	-0.025	-0.197
TCRBV04_8	0.598	-0.612	-0.079	0.431	0.285
TCRBV04_9	0.604	0.005	-0.715	0.115	0.306
TCRBV04_10	-0.869	-0.510	0.181	0.371	0.542
TCRBV04_11	-0.614	0.128	0.423	-0.830	0.603
TCRBV04_12	0.461	0.316	1.297	0.276	0.287
TCRBV04_13	0.010	0.803	-0.832	-0.224	-0.893
TCRBV04_14	-0.101	-0.435	-0.146	-0.098	-0.736
TCRBV04_15	0.156	0.146	0.111	0.032	-0.204
TCRBV051_5	-0.354	-0.499	0.016	-0.014	-0.017
TCRBV051_6	0.230	0.114	-0.261	0.300	0.279
TCRBV051_7	-0.467	-0.417	0.229	-0.036	0.325
TCRBV051_8	0.200	-0.266	-0.052	0.210	0.148
TCRBV051_9	0.160	0.982	0.835	-0.258	0.613
TCRBV051_10	0.310	-0.280	-0.588	-0.172	0.265
TCRBV051_11	0.081	0.011	-0.039	0.675	-0.050
TCRBV051_12	-0.019	-0.744	-0.175	0.560	-0.864
TCRBV051_13	-0.153	-0.109	0.157	-0.028	0.013
TCRBV052_6	-0.062	-0.094	0.049	0.262	-0.220
TCRBV052_7	-0.403	0.096	0.157	0.340	-0.075
TCRBV052_8	0.253	-0.176	-0.081	0.102	0.196
TCRBV052_9	-0.459	-0.266	0.223	0.438	0.427
TCRBV052_10	0.864	-1.009	-0.094	0.035	-0.119
TCRBV052_11	-0.329	0.277	-0.042	0.137	-0.406
TCRBV052_12	0.216	-0.078	-0.036	-0.036	0.116
TCRBV052_13	-0.092	0.043	-0.054	-0.041	-0.019
TCRBV06_5	0.114	-0.034	0.034	-0.001	-0.124
TCRBV06_6	-0.184	0.180	0.164	-0.162	-0.180
TCRBV06_7	-0.416	0.498	-0.096	-0.261	-0.044
TCRBV06_8	-0.696	0.805	-0.729	-0.191	-0.012
TCRBV06_9	-0.263	0.019	-0.086	-0.087	-0.739
TCRBV06_10	1.044	-0.719	0.273	0.282	-0.062
TCRBV06_11	0.154	-0.814	-0.162	0.123	0.634
TCRBV06_12	0.398	0.386	0.232	-0.107	0.023
TCRBV06_13	0.068	-0.158	0.011	0.150	0.296
TCRBV07_5	-0.014	0.008	0.026	0.010	-0.045
TCRBV07_6	0.266	-0.215	-0.050	-0.478	-0.042
TCRBV07_7	0.565	0.110	0.458	-0.355	-0.371
TCRBV07_8	0.355	0.039	-0.635	0.109	-0.063
TCRBV07_9	-0.133	0.051	-0.807	-0.165	-0.325
TCRBV07_10	-0.434	-0.074	0.342	-0.064	0.125
TCRBV07_11	-0.193	-0.166	0.054	0.216	0.109
TCRBV07_12	-0.105	0.356	0.230	0.322	0.368
TCRBV07_13	-0.085	0.053	0.023	0.150	0.035
TCRBV081_5	-0.043	-0.155	0.061	-0.013	0.023
TCRBV081_6	-0.521	-0.078	-0.159	0.379	0.099
TCRBV081_7	0.071	-0.461	-0.553	-0.047	0.469
TCRBV081_8	0.097	0.174	-0.233	0.237	-0.259
TCRBV081_9	-0.131	-0.053	0.365	-0.281	0.149
TCRBV081_10	0.496	0.811	0.419	0.083	-0.839
TCRBV081_11	0.105	-0.036	0.002	0.278	0.130
TCRBV081_12	-0.075	-0.202	0.097	-0.636	0.228
TCRBV082_4	-0.097	-0.014	0.054	-0.097	-0.018
TCRBV082_5	0.278	0.205	0.313	-0.058	0.042
TCRBV082_6	0.236	-0.162	0.086	-0.188	-0.378
TCRBV082_7	-0.109	0.677	-0.027	-0.006	0.737

FIGURE 105 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
143/218

10/519950

TCRBV082_8	-0.328	-1.074	-0.302	-0.826	-0.273
TCRBV082_9	0.182	0.031	-0.251	0.364	0.188
TCRBV082_10	-0.042	-0.133	-0.021	0.497	-0.293
TCRBV082_11	-0.120	0.470	0.148	0.315	-0.005
TCRBV083_4	0.011	0.001	-0.022	-0.035	-0.012
TCRBV083_5	0.241	0.045	0.267	-0.033	0.232
TCRBV083_6	0.132	-0.060	-0.261	0.134	-0.110
TCRBV083_7	0.253	0.005	-0.075	-0.952	-0.102
TCRBV083_8	0.120	-0.907	-0.038	-0.766	-0.009
TCRBV083_9	-0.464	0.315	-0.667	0.101	-0.169
TCRBV083_10	-0.447	0.596	0.062	0.659	0.167
TCRBV083_11	-0.067	0.051	0.413	0.476	0.093
TCRBV083_12	0.220	-0.046	0.321	0.416	-0.089
TCRBV09_5	0.128	-0.013	0.123	-0.036	0.038
TCRBV09_6	0.167	0.254	0.074	-0.044	0.353
TCRBV09_7	0.397	-0.556	-0.991	0.735	0.063
TCRBV09_8	-0.781	-0.127	0.403	-0.989	0.418
TCRBV09_9	-0.324	0.277	-0.097	0.104	0.126
TCRBV09_10	-0.403	-0.411	0.159	-0.153	-0.023
TCRBV09_11	-0.187	-0.146	0.805	-0.018	-0.623
TCRBV09_12	0.036	0.309	0.061	0.566	0.809
TCRBV09_13	0.162	0.200	0.169	-0.007	0.519
TCRBV09_14	0.083	0.131	0.191	0.146	0.384
TCRBV09_15	0.085	0.039	-0.055	0.056	0.118
TCRBV10_6	-0.113	0.027	-0.019	0.123	0.386
TCRBV10_7	-0.171	0.507	-0.384	-0.329	-0.007
TCRBV10_8	0.490	0.194	-0.171	-0.715	-0.123
TCRBV10_9	-0.034	0.230	0.320	-0.004	0.281
TCRBV10_10	-0.116	-0.723	-0.345	0.160	-0.111
TCRBV10_11	-0.172	-0.027	0.380	0.802	-0.495
TCRBV10_12	0.112	-0.217	0.238	-0.020	0.077
TCRBV10_13	0.004	0.008	-0.020	-0.017	-0.008
TCRBV11_5	-0.079	-0.146	0.011	0.258	0.144
TCRBV11_6	0.003	0.344	-0.289	0.575	0.199
TCRBV11_7	-0.201	-0.186	-0.099	-0.030	-0.017
TCRBV11_8	0.635	-0.145	-0.442	-0.239	-0.470
TCRBV11_9	0.743	0.179	-0.476	-0.048	0.143
TCRBV11_10	-0.094	0.223	0.044	-0.495	-0.530
TCRBV11_11	-0.303	0.099	0.288	-0.166	0.087
TCRBV11_12	-0.373	-0.268	0.534	0.036	0.127
TCRBV11_13	-0.135	0.014	0.195	-0.038	0.157
TCRBV11_14	0.018	0.036	-0.091	-0.078	-0.036
TCRBV11_15	0.007	0.013	-0.034	-0.029	-0.013
TCRBV12_4	-0.099	-0.217	-0.014	0.035	-0.128
TCRBV12_5	0.146	0.283	0.133	-0.088	0.231
TCRBV12_6	-0.572	0.562	0.620	-0.135	-0.459
TCRBV12_7	-0.110	0.756	0.188	0.522	-0.425
TCRBV12_8	0.998	-0.035	-0.218	0.107	0.043
TCRBV12_9	-0.411	-0.734	-0.346	0.297	-0.174
TCRBV12_10	0.350	0.160	-0.358	-0.199	0.532
TCRBV12_11	-0.478	-0.797	-0.041	-0.376	0.322
TCRBV12_12	0.177	0.022	0.035	-0.163	0.059
TCRBV13_5	0.017	0.160	-0.027	0.060	0.074
TCRBV13_6	-0.872	0.024	0.039	0.464	0.107
TCRBV13_7	-0.199	-0.169	0.253	0.467	0.249
TCRBV13_8	-0.088	-0.105	0.282	0.132	-0.070
TCRBV13_9	-0.083	-1.220	0.259	0.033	0.152
TCRBV13_10	0.578	0.035	0.060	-0.578	-0.353
TCRBV13_11	0.477	0.749	-0.481	-0.104	0.251
TCRBV13_12	0.133	0.295	-0.610	-0.119	-0.314
TCRBV13_13	0.037	0.231	0.226	-0.355	-0.098
TCRBV14_5	-0.013	0.073	0.025	0.045	0.085
TCRBV14_6	0.097	0.038	0.240	-0.049	-0.053
TCRBV14_7	-0.070	-0.196	-0.172	0.238	0.203

FIGURE 105 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
144/218

10/519950

TCRBV14_8	0.034	0.097	-0.329	0.191	-0.224
TCRBV14_9	-0.249	-0.531	-0.014	0.168	-0.416
TCRBV14_10	0.260	0.504	-0.177	-0.209	-0.169
TCRBV14_11	0.022	0.008	0.245	-0.484	0.642
TCRBV14_12	-0.087	-0.024	0.209	0.144	-0.046
TCRBV14_13	0.005	0.031	-0.027	-0.043	-0.023
TCRBV15_4	-0.028	-0.129	0.355	0.011	0.126
TCRBV15_5	0.215	0.049	-0.463	-0.431	-0.207
TCRBV15_6	0.127	0.098	0.479	-0.055	0.071
TCRBV15_7	-0.173	0.226	0.370	0.105	0.203
TCRBV15_8	0.674	-0.573	0.558	0.429	-0.784
TCRBV15_9	-0.963	0.331	-0.454	0.042	0.252
TCRBV15_10	0.137	0.252	-0.874	-0.452	-0.020
TCRBV15_11	0.204	0.038	-0.347	0.101	0.098
TCRBV15_12	0.029	-0.129	0.019	-0.005	0.053
TCRBV16_5	0.028	0.102	0.061	0.021	-0.190
TCRBV16_6	-0.263	-0.318	0.050	0.486	-0.358
TCRBV16_7	0.632	0.089	0.880	0.459	-0.717
TCRBV16_8	-0.921	-0.349	0.855	-0.423	-0.181
TCRBV16_9	0.530	-0.300	-0.991	-0.228	1.081
TCRBV16_10	0.002	-0.277	0.147	0.423	0.007
TCRBV16_11	0.253	0.024	-0.740	0.006	-0.182
TCRBV16_12	-0.177	0.070	-0.478	0.198	1.037
TCRBV16_13	0.124	-0.088	-0.019	0.040	0.008
TCRBV18_3	0.029	-0.024	-0.038	0.032	0.011
TCRBV18_4	0.086	0.210	0.155	0.049	-0.296
TCRBV18_5	-0.019	0.319	0.319	-0.147	0.718
TCRBV18_6	-0.666	-0.215	0.426	-0.088	0.177
TCRBV18_7	1.820	-0.588	0.247	0.764	0.904
TCRBV18_8	0.018	-0.401	0.714	0.179	0.365
TCRBV18_9	0.381	0.330	0.507	-0.398	0.234
TCRBV18_10	0.151	0.406	0.369	-0.072	0.259
TCRBV18_11	0.216	0.575	-0.400	-0.179	0.029
TCRBV18_12	-0.002	-0.025	-0.043	0.052	-0.086
TCRBV18_13	-0.087	-0.101	-0.013	0.007	-0.001
TCRBV20_5	-0.131	-0.110	0.019	0.173	0.201
TCRBV20_6	-0.637	0.239	-0.235	0.837	0.197
TCRBV20_7	-0.381	0.078	-0.016	0.078	0.143
TCRBV20_8	0.211	0.227	-0.198	-0.297	-0.068
TCRBV20_9	-0.155	0.173	-0.877	0.386	-0.219
TCRBV20_10	-0.412	-0.519	0.084	-0.685	0.109
TCRBV20_11	0.588	0.092	0.394	-0.291	-0.454
TCRBV20_12	0.857	0.133	0.160	-0.181	-0.046
TCRBV20_13	0.304	-0.047	0.025	-0.284	-0.174
TCRBV20_14	-0.023	-0.104	0.287	0.009	0.102
	36	37	38	39	40
TCRBV01_6	-0.081	-0.005	-0.041	-0.011	0.038
TCRBV01_7	-0.012	-0.180	0.064	0.238	0.174
TCRBV01_8	-0.570	0.176	-0.114	0.201	0.386
TCRBV01_9	0.027	-0.269	-0.088	0.785	0.246
TCRBV01_10	-0.102	-0.319	0.148	-0.837	0.349
TCRBV01_11	0.662	0.414	-0.212	-0.263	-0.554
TCRBV01_12	0.612	0.048	0.305	-0.231	-0.341
TCRBV01_13	0.129	0.109	0.084	-0.090	-0.272
TCRBV01_14	0.017	-0.017	-0.003	0.008	0.012
TCRBV02_6	0.027	0.051	0.091	0.286	-0.029
TCRBV02_7	0.190	-0.274	0.161	0.209	-0.089
TCRBV02_8	0.071	-0.413	0.051	-0.401	-0.267
TCRBV02_9	-0.014	0.038	0.122	-0.125	0.164
TCRBV02_10	-0.053	-0.372	0.170	0.094	0.020
TCRBV02_11	0.123	-0.426	-0.531	0.345	0.367

FIGURE 106

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
145/218

TCRBV02_12	-0.112	0.175	0.088	0.240	-0.046
TCRBV02_13	-0.228	0.061	0.010	-0.029	0.052
TCRBV03_4	-0.000	0.030	-0.004	-0.016	-0.004
TCRBV03_5	-0.008	-0.040	-0.017	0.024	0.000
TCRBV03_6	0.256	0.463	-0.027	-0.203	-0.102
TCRBV03_7	0.174	0.134	-0.040	-0.507	-0.188
TCRBV03_8	0.045	0.050	-0.375	0.013	-0.497
TCRBV03_9	-0.361	-0.221	-0.084	0.496	-0.451
TCRBV03_10	0.320	0.304	0.332	-0.249	0.619
TCRBV03_11	-0.485	-0.367	0.306	0.237	0.083
TCRBV03_12	0.322	-0.395	0.179	0.134	0.452
TCRBV03_13	0.420	0.000	-0.126	-0.129	0.126
TCRBV04_6	-0.010	-0.023	0.009	-0.045	0.027
TCRBV04_7	0.166	-0.143	0.275	-0.197	0.027
TCRBV04_8	-0.405	-0.386	0.099	0.152	-0.010
TCRBV04_9	-0.884	0.005	-0.228	0.168	0.463
TCRBV04_10	0.321	-0.472	-0.614	-0.196	0.297
TCRBV04_11	0.246	0.584	-0.269	-0.161	0.213
TCRBV04_12	0.615	-0.365	0.698	0.239	0.074
TCRBV04_13	0.118	-0.093	-0.115	0.143	-0.668
TCRBV04_14	-0.229	0.912	-0.008	-0.073	-0.041
TCRBV04_15	0.062	-0.019	0.152	-0.030	-0.382
TCRBV051_5	0.099	0.220	-0.220	0.103	-0.138
TCRBV051_6	0.217	0.547	-0.239	-0.212	0.374
TCRBV051_7	0.190	0.310	-0.306	0.500	0.079
TCRBV051_8	0.257	0.064	0.223	0.123	-0.298
TCRBV051_9	-0.678	-0.295	-0.711	0.000	-0.043
TCRBV051_10	-0.118	-0.439	0.727	0.214	0.071
TCRBV051_11	-0.653	-0.542	0.310	0.083	-0.586
TCRBV051_12	0.525	0.306	0.484	-0.017	-0.192
TCRBV051_13	0.090	-0.024	0.369	0.341	0.287
TCRBV052_6	0.345	0.346	0.330	0.356	0.347
TCRBV052_7	0.030	-0.171	-0.721	-0.126	-0.001
TCRBV052_8	0.021	-0.075	0.017	0.067	-0.277
TCRBV052_9	-0.196	0.602	0.371	0.234	-0.052
TCRBV052_10	0.130	-0.388	0.273	0.417	0.100
TCRBV052_11	-0.249	0.024	0.205	0.184	-0.498
TCRBV052_12	-0.062	-0.200	0.121	0.022	-0.096
TCRBV052_13	-0.089	0.009	0.040	-0.018	0.033
TCRBV06_5	0.078	-0.029	0.024	-0.095	0.009
TCRBV06_6	0.271	-0.294	0.049	-0.043	-0.066
TCRBV06_7	0.310	-0.297	-0.242	0.058	-0.250
TCRBV06_8	0.483	0.370	-0.247	0.015	0.011
TCRBV06_9	-0.448	0.293	0.106	0.014	0.025
TCRBV06_10	-0.153	0.035	0.528	0.115	-0.405
TCRBV06_11	-0.281	-0.067	-0.067	0.047	0.211
TCRBV06_12	0.389	-0.026	-0.215	-0.238	0.453
TCRBV06_13	0.033	-0.026	0.206	-0.073	0.049
TCRBV07_5	-0.014	0.047	-0.039	0.011	0.018
TCRBV07_6	0.227	0.192	0.005	0.100	-0.283
TCRBV07_7	-0.263	-0.341	0.112	0.146	-0.545
TCRBV07_8	0.382	0.747	0.105	-0.413	0.006
TCRBV07_9	-0.333	0.133	0.263	-0.335	0.279
TCRBV07_10	0.391	-0.408	0.027	0.274	0.219
TCRBV07_11	-0.131	-0.503	0.002	0.113	0.271
TCRBV07_12	0.434	0.221	-0.291	-0.132	0.048
TCRBV07_13	-0.011	-0.130	-0.041	0.036	0.023
TCRBV081_5	0.086	0.032	0.056	-0.213	-0.105
TCRBV081_6	0.193	-0.201	0.136	-0.201	-0.024
TCRBV081_7	-0.095	-0.271	-0.059	-0.207	0.034
TCRBV081_8	0.206	-0.008	0.222	0.221	0.427
TCRBV081_9	0.407	-0.000	-0.423	0.244	-0.245
TCRBV081_10	-0.766	0.336	-0.617	-0.315	0.436
TCRBV081_11	0.065	0.307	0.349	0.129	0.242

FIGURE 106 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
146/218

10/519950

TCRBV081_12	-0.096	-0.194	0.337	0.342	-0.766
TCRBV082_4	0.152	-0.014	0.246	0.425	0.007
TCRBV082_5	0.038	0.256	0.247	-0.130	-0.086
TCRBV082_6	0.416	-0.275	0.066	0.011	-0.159
TCRBV082_7	-0.087	0.454	0.092	-0.314	0.181
TCRBV082_8	0.059	-0.624	-0.209	0.080	0.439
TCRBV082_9	-0.152	0.156	-0.246	-0.202	-0.353
TCRBV082_10	-0.336	-0.006	-0.223	0.073	-0.089
TCRBV082_11	-0.091	0.053	0.027	0.056	0.060
TCRBV083_4	0.028	-0.002	-0.010	-0.008	0.011
TCRBV083_5	0.420	0.225	0.027	-0.068	0.065
TCRBV083_6	0.083	0.300	-0.001	-0.033	0.150
TCRBV083_7	0.160	0.325	0.076	-0.330	0.002
TCRBV083_8	-0.346	-0.023	0.080	-0.038	-0.493
TCRBV083_9	-0.127	-0.614	0.001	0.555	0.334
TCRBV083_10	0.047	-0.207	-0.094	0.227	-0.108
TCRBV083_11	-0.393	-0.111	0.051	-0.209	0.033
TCRBV083_12	0.128	0.106	-0.130	-0.095	0.006
TCRBV09_5	0.021	0.015	0.130	-0.037	0.037
TCRBV09_6	0.188	0.005	-0.215	0.126	-0.090
TCRBV09_7	-0.262	0.198	-0.043	0.581	-0.323
TCRBV09_8	0.032	0.027	0.687	-0.015	-0.227
TCRBV09_9	0.083	-0.639	0.675	-0.262	-0.329
TCRBV09_10	-1.054	0.658	-0.866	0.656	0.011
TCRBV09_11	0.516	0.151	-0.489	-0.221	0.162
TCRBV09_12	-0.028	-0.145	0.651	-0.889	0.185
TCRBV09_13	-0.131	-0.042	0.213	-0.218	-0.268
TCRBV09_14	-0.012	-0.079	-0.183	0.079	0.096
TCRBV09_15	-0.061	0.098	-0.021	-0.056	-0.017
TCRBV10_6	0.359	0.016	0.235	0.419	0.118
TCRBV10_7	-0.387	0.296	0.392	0.464	-0.202
TCRBV10_8	0.096	-0.255	-0.170	-0.041	-0.007
TCRBV10_9	-0.250	0.548	0.096	-0.434	-0.117
TCRBV10_10	0.248	-0.162	-0.131	-0.300	0.725
TCRBV10_11	0.012	-0.084	-0.251	0.056	-0.470
TCRBV10_12	-0.077	-0.374	-0.169	-0.158	-0.044
TCRBV10_13	-0.000	0.015	-0.002	-0.008	-0.002
TCRBV11_5	0.107	-0.065	0.064	-0.003	-0.075
TCRBV11_6	0.329	-0.004	-0.107	0.154	-0.308
TCRBV11_7	0.439	-0.370	-0.303	0.238	-0.027
TCRBV11_8	0.645	-0.675	-0.246	-0.410	0.190
TCRBV11_9	0.243	0.057	-0.314	-0.009	-0.196
TCRBV11_10	0.036	0.334	0.363	-0.026	0.098
TCRBV11_11	-0.266	0.096	0.118	0.047	0.154
TCRBV11_12	-0.542	0.435	0.614	-0.091	0.234
TCRBV11_13	-0.308	0.060	-0.033	-0.052	-0.020
TCRBV11_14	-0.000	0.066	-0.009	-0.035	-0.010
TCRBV11_15	-0.000	0.024	-0.003	-0.013	-0.004
TCRBV12_4	-0.133	0.057	-0.089	0.239	-0.197
TCRBV12_5	0.037	-0.293	0.115	0.011	-0.134
TCRBV12_6	-0.078	0.151	0.344	-0.135	-0.103
TCRBV12_7	-0.119	0.439	0.253	0.008	0.267
TCRBV12_8	0.405	0.615	0.094	0.038	0.418
TCRBV12_9	-0.107	-0.619	-0.186	-0.102	-0.025
TCRBV12_10	-0.187	-0.416	0.402	-0.327	0.340
TCRBV12_11	0.239	0.113	-0.603	0.127	-0.277
TCRBV12_12	-0.057	-0.048	-0.331	0.141	-0.288
TCRBV13_5	0.125	0.054	-0.022	-0.033	-0.056
TCRBV13_6	0.327	0.242	-0.202	0.243	0.075
TCRBV13_7	0.933	0.100	-0.126	0.077	-0.236
TCRBV13_8	-0.897	-0.610	0.189	-0.973	-0.351
TCRBV13_9	-0.423	0.468	0.312	0.527	0.871
TCRBV13_10	0.004	0.068	0.094	0.095	0.136
TCRBV13_11	-0.027	-0.156	-0.353	-0.034	-0.188

FIGURE 106 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
147/218

10/519950

TCRBV13_12	0.119	-0.129	-0.114	0.024	0.072
TCRBV13_13	-0.162	-0.038	0.222	0.073	-0.324
TCRBV14_5	0.009	-0.013	-0.051	-0.040	-0.079
TCRBV14_6	0.190	-0.084	0.069	-0.140	0.054
TCRBV14_7	0.074	0.023	-0.029	0.180	-0.171
TCRBV14_8	-0.226	-0.005	-0.047	-0.146	0.573
TCRBV14_9	-0.079	0.382	0.203	-0.669	-0.508
TCRBV14_10	0.102	-0.655	-0.342	0.662	0.181
TCRBV14_11	0.020	0.316	0.204	0.218	-0.145
TCRBV14_12	-0.091	0.021	0.007	-0.035	0.090
TCRBV14_13	0.001	0.016	-0.014	-0.030	0.005
TCRBV15_4	-0.212	-0.004	0.003	-0.016	0.010
TCRBV15_5	0.136	-0.135	0.161	0.079	-0.009
TCRBV15_6	-0.541	-0.191	-0.169	-0.404	-0.006
TCRBV15_7	0.265	0.696	-0.099	-0.147	0.133
TCRBV15_8	0.413	-0.865	-0.073	-0.630	0.245
TCRBV15_9	-0.463	0.061	-0.047	0.195	-0.436
TCRBV15_10	0.575	0.393	0.342	0.538	0.152
TCRBV15_11	0.475	0.120	0.024	0.145	-0.039
TCRBV15_12	0.034	-0.118	0.001	0.040	-0.012
TCRBV16_5	0.032	0.045	0.087	0.078	-0.158
TCRBV16_6	0.279	0.137	-0.370	-0.104	-0.016
TCRBV16_7	0.533	0.447	0.849	0.863	-0.185
TCRBV16_8	0.124	-0.748	0.162	0.512	0.171
TCRBV16_9	0.019	0.096	0.247	-0.373	0.093
TCRBV16_10	-0.520	0.806	0.104	0.097	-0.098
TCRBV16_11	-0.206	-0.377	-0.578	0.008	-0.138
TCRBV16_12	0.382	-0.335	0.203	-0.129	-0.135
TCRBV16_13	-0.032	0.035	0.075	-0.014	0.058
TCRBV18_3	-0.016	0.019	0.005	0.037	-0.004
TCRBV18_4	0.166	-0.041	-0.161	0.006	0.086
TCRBV18_5	0.042	0.049	-0.283	0.054	-0.104
TCRBV18_6	-0.342	0.136	0.214	-0.084	0.116
TCRBV18_7	0.363	0.560	-0.685	0.208	-0.378
TCRBV18_8	0.556	-0.420	-0.280	0.138	0.096
TCRBV18_9	0.074	0.325	-0.210	-0.176	0.642
TCRBV18_10	0.067	0.190	0.193	-0.374	-0.180
TCRBV18_11	0.203	0.020	0.194	0.040	0.013
TCRBV18_12	-0.044	-0.012	0.018	-0.008	0.021
TCRBV18_13	0.050	0.015	-0.020	-0.130	-0.089
TCRBV20_5	0.033	-0.102	0.037	-0.094	-0.069
TCRBV20_6	0.225	-0.285	0.058	0.011	0.039
TCRBV20_7	0.344	0.159	-0.436	-0.026	-0.330
TCRBV20_8	0.169	0.122	0.067	0.256	-0.097
TCRBV20_9	-0.934	-0.037	0.056	0.166	0.213
TCRBV20_10	0.279	-0.185	0.293	0.184	0.632
TCRBV20_11	0.255	0.298	-0.618	-0.325	-0.141
TCRBV20_12	0.142	-0.008	0.462	-0.528	-0.231
TCRBV20_13	0.340	0.000	0.222	0.169	0.014
TCRBV20_14	-0.172	-0.004	0.002	-0.013	0.008
41 42 43 44 45					
TCRBV01_6	-0.008	0.039	-0.042	0.005	0.023
TCRBV01_7	0.197	-0.173	-0.288	-0.100	0.008
TCRBV01_8	-0.123	-0.454	-0.154	0.432	-0.048
TCRBV01_9	0.205	0.140	0.123	-0.455	-0.171
TCRBV01_10	-0.222	0.160	0.276	0.222	-0.278
TCRBV01_11	0.292	0.071	-0.028	-0.375	-0.078
TCRBV01_12	0.009	0.185	-0.003	0.069	0.396
TCRBV01_13	-0.005	0.081	0.081	0.041	0.088
TCRBV01_14	0.006	0.002	0.009	-0.005	-0.011
TCRBV02_6	0.159	-0.260	0.187	0.004	-0.005
TCRBV02_7	-0.029	-0.161	0.034	-0.273	0.034

FIGURE 106 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

10/519950

148/218

TCRBV02_8	0.098	0.433	-0.381	-0.098	-0.198
TCRBV02_9	0.017	-0.018	-0.018	0.194	0.098
TCRBV02_10	-0.038	-0.227	-0.027	0.011	0.026
TCRBV02_11	-0.001	-0.113	0.216	-0.118	-0.331
TCRBV02_12	0.279	0.095	-0.413	0.015	-0.080
TCRBV02_13	0.009	-0.116	-0.020	0.002	-0.104
TCRBV03_4	-0.013	0.010	0.011	0.007	0.015
TCRBV03_5	-0.025	0.015	0.007	-0.000	0.021
TCRBV03_6	0.163	-0.116	0.344	0.213	0.048
TCRBV03_7	0.277	-0.285	0.433	-0.356	0.058
TCRBV03_8	0.020	0.170	0.149	0.194	-0.044
TCRBV03_9	-0.284	-0.207	-0.179	0.022	-0.169
TCRBV03_10	0.231	0.089	-0.083	-0.048	0.072
TCRBV03_11	-0.214	0.379	-0.361	0.063	0.208
TCRBV03_12	-0.092	0.246	-0.180	-0.006	0.055
TCRBV03_13	0.288	-0.249	-0.168	-0.257	-0.334
TCRBV04_6	0.038	0.039	0.030	0.011	-0.075
TCRBV04_7	0.113	0.046	0.327	0.131	-0.024
TCRBV04_8	-0.059	0.336	-0.189	-0.099	0.100
TCRBV04_9	-0.006	0.348	0.031	0.458	-0.568
TCRBV04_10	-0.236	-0.019	-0.190	-0.179	0.643
TCRBV04_11	0.036	-0.557	0.245	-0.224	0.077
TCRBV04_12	-0.063	-0.095	-0.046	-0.262	0.033
TCRBV04_13	0.168	-0.099	-0.476	-0.189	-0.186
TCRBV04_14	0.059	-0.057	0.263	0.273	0.237
TCRBV04_15	-0.051	0.058	0.006	0.080	-0.237
TCRBV051_5	-0.202	0.112	0.218	-0.148	0.224
TCRBV051_6	-0.272	0.191	0.410	0.223	0.201
TCRBV051_7	-0.589	0.082	-0.136	0.391	-0.233
TCRBV051_8	-0.226	-0.202	0.059	-0.229	0.035
TCRBV051_9	0.068	-0.366	-0.325	0.095	-0.026
TCRBV051_10	0.580	0.088	0.057	-0.052	0.363
TCRBV051_11	0.718	-0.212	0.094	0.380	-0.065
TCRBV051_12	-0.600	0.238	-0.455	-0.313	-0.668
TCRBV051_13	-0.129	0.131	0.449	-0.251	0.164
TCRBV052_6	-0.069	-0.250	0.178	0.176	0.189
TCRBV052_7	-0.213	-0.079	-0.016	0.265	-0.368
TCRBV052_8	0.031	-0.282	0.204	0.158	-0.025
TCRBV052_9	0.175	0.376	0.240	-0.103	-0.355
TCRBV052_10	-0.583	-0.022	-0.262	-0.122	0.219
TCRBV052_11	0.170	0.078	-0.119	-0.164	0.276
TCRBV052_12	-0.180	0.132	0.070	-0.126	0.171
TCRBV052_13	0.016	0.109	0.076	0.011	-0.115
TCRBV06_5	0.174	-0.151	0.083	-0.049	0.025
TCRBV06_6	0.094	-0.099	-0.076	0.013	0.039
TCRBV06_7	0.192	0.040	-0.085	-0.116	-0.009
TCRBV06_8	0.036	0.121	-0.408	0.239	-0.035
TCRBV06_9	-0.167	-0.409	-0.408	-0.232	0.120
TCRBV06_10	0.032	-0.135	0.658	0.044	-0.392
TCRBV06_11	-0.117	0.385	0.348	-0.226	0.272
TCRBV06_12	0.089	0.248	-0.207	0.171	-0.021
TCRBV06_13	0.017	0.053	0.068	-0.011	-0.069
TCRBV07_5	-0.068	-0.069	0.020	0.062	0.073
TCRBV07_6	0.427	-0.064	-0.079	0.085	-0.177
TCRBV07_7	0.106	-0.006	-0.073	0.320	-0.007
TCRBV07_8	-0.111	-0.269	0.015	-0.227	0.231
TCRBV07_9	-0.042	-0.044	-0.094	0.044	-0.036
TCRBV07_10	0.093	0.084	0.100	-0.267	0.144
TCRBV07_11	0.005	0.261	0.149	-0.273	-0.037
TCRBV07_12	-0.064	0.155	-0.043	0.106	-0.269
TCRBV07_13	0.003	0.004	-0.022	-0.016	0.006
TCRBV081_5	-0.100	0.036	0.021	0.059	0.115
TCRBV081_6	-0.302	0.097	0.210	0.221	-0.070

FIGURE 107

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
149/218

10/519950

TCRBV081_7	0.143	-0.256	-0.154	-0.257	-0.003
TCRBV081_8	-0.533	-0.017	-0.247	-0.523	-0.273
TCRBV081_9	0.409	0.125	0.085	0.383	-0.059
TCRBV081_10	0.115	0.107	-0.021	-0.005	0.059
TCRBV081_11	0.243	-0.014	-0.008	-0.052	0.018
TCRBV081_12	0.025	-0.079	0.115	0.174	0.214
TCRBV082_4	0.110	-0.106	0.144	0.055	-0.096
TCRBV082_5	-0.022	0.044	-0.125	0.093	0.141
TCRBV082_6	-0.118	0.014	0.008	-0.056	-0.152
TCRBV082_7	-0.034	0.002	-0.023	-0.636	-0.279
TCRBV082_8	-0.063	0.012	0.261	-0.039	-0.620
TCRBV082_9	-0.102	0.047	-0.351	0.347	0.384
TCRBV082_10	0.117	0.141	0.145	0.282	0.165
TCRBV082_11	0.112	-0.154	-0.059	-0.046	0.457
TCRBV083_4	0.023	-0.019	-0.009	-0.021	-0.023
TCRBV083_5	0.163	0.419	-0.137	0.090	0.115
TCRBV083_6	-0.142	-0.047	-0.115	0.011	0.004
TCRBV083_7	-0.047	0.053	-0.296	0.103	-0.167
TCRBV083_8	-0.111	-0.343	0.287	-0.127	0.027
TCRBV083_9	-0.283	-0.019	0.264	-0.232	0.001
TCRBV083_10	-0.006	-0.262	0.311	-0.107	-0.084
TCRBV083_11	-0.054	-0.017	-0.129	0.166	0.022
TCRBV083_12	0.458	0.236	-0.177	0.119	0.106
TCRBV09_5	0.020	0.005	0.017	0.033	-0.002
TCRBV09_6	0.115	0.109	-0.169	0.327	0.114
TCRBV09_7	0.493	-0.420	-0.372	-0.495	-0.386
TCRBV09_8	0.001	-0.052	-0.212	0.141	-0.020
TCRBV09_9	0.354	-0.147	0.150	0.403	0.036
TCRBV09_10	0.607	0.764	-0.523	-0.397	0.146
TCRBV09_11	0.069	-0.288	-0.111	-0.116	0.190
TCRBV09_12	-0.530	-0.222	-0.710	0.327	0.054
TCRBV09_13	-0.319	-0.208	0.368	-0.038	0.160
TCRBV09_14	-0.359	0.005	0.259	-0.212	0.051
TCRBV09_15	-0.120	-0.069	0.103	-0.017	-0.028
TCRBV10_6	-0.139	-0.231	-0.013	0.171	0.090
TCRBV10_7	-0.343	0.337	0.297	-0.138	0.132
TCRBV10_8	-0.370	0.224	0.140	-0.305	-0.050
TCRBV10_9	-0.126	-0.257	-0.157	-0.083	0.190
TCRBV10_10	0.801	-0.238	-0.261	0.001	-0.263
TCRBV10_11	0.076	0.272	0.089	0.333	0.093
TCRBV10_12	0.107	-0.112	-0.101	0.018	-0.199
TCRBV10_13	-0.006	0.005	0.005	0.003	0.007
TCRBV11_5	0.053	0.005	0.119	0.105	-0.081
TCRBV11_6	-0.048	-0.165	0.128	-0.257	0.144
TCRBV11_7	-0.054	0.190	0.134	0.111	0.170
TCRBV11_8	-0.048	-0.193	0.169	0.081	0.239
TCRBV11_9	-0.048	0.054	-0.369	-0.042	0.034
TCRBV11_10	-0.024	0.281	-0.112	0.043	0.008
TCRBV11_11	0.254	-0.011	0.052	0.019	-0.155
TCRBV11_12	0.259	-0.033	-0.127	-0.200	-0.398
TCRBV11_13	0.044	-0.105	-0.055	-0.048	-0.073
TCRBV11_14	-0.028	0.021	0.024	0.015	0.032
TCRBV11_15	-0.010	0.008	0.009	0.006	0.012
TCRBV12_4	0.141	0.044	0.018	-0.126	0.033
TCRBV12_5	0.228	0.066	-0.140	-0.056	-0.050
TCRBV12_6	-0.108	-0.114	0.092	-0.231	0.140
TCRBV12_7	-0.251	-0.173	0.523	0.142	-0.265
TCRBV12_8	0.090	-0.242	-0.180	0.239	0.181
TCRBV12_9	-0.192	0.101	-0.204	-0.012	-0.061
TCRBV12_10	0.400	0.009	0.024	-0.023	-0.104
TCRBV12_11	-0.153	0.144	-0.023	-0.018	0.077
TCRBV12_12	-0.155	0.165	-0.110	0.084	0.048
TCRBV13_5	0.015	0.084	0.027	-0.118	0.011
TCRBV13_6	0.168	-0.328	0.359	0.024	-0.082

FIGURE 107 (continuing)

**FIGURE 107 (continuing)**

10/519950

151/218

TCRBV01_12	0.159	0.002	-0.125	0.152	-0.053
TCRBV01_13	0.102	-0.126	0.078	0.066	0.002
TCRBV01_14	-0.007	0.009	0.004	0.001	-0.001
TCRBV02_6	-0.031	0.204	-0.019	-0.316	0.276
TCRBV02_7	0.109	-0.019	-0.011	-0.097	0.167
TCRBV02_8	0.281	-0.141	0.150	0.408	-0.069
TCRBV02_9	-0.286	0.030	-0.174	0.038	-0.303
TCRBV02_10	0.192	-0.164	-0.161	-0.066	-0.093
TCRBV02_11	-0.338	-0.040	-0.252	-0.136	-0.029
TCRBV02_12	0.021	-0.169	0.204	-0.042	-0.002
TCRBV02_13	0.026	0.060	-0.059	-0.005	-0.002
TCRBV03_4	0.001	0.006	0.008	0.006	0.001
TCRBV03_5	-0.069	0.006	0.005	-0.009	-0.004
TCRBV03_6	0.100	0.046	-0.447	0.194	-0.271
TCRBV03_7	-0.060	-0.022	0.007	-0.122	-0.055
TCRBV03_8	-0.143	-0.036	-0.064	0.035	0.103
TCRBV03_9	-0.020	0.009	0.023	-0.056	0.289
TCRBV03_10	0.297	0.246	0.266	-0.166	-0.115
TCRBV03_11	-0.196	0.167	0.157	0.091	0.038
TCRBV03_12	0.065	-0.072	-0.010	0.084	0.105
TCRBV03_13	-0.045	-0.128	-0.110	-0.047	-0.194
TCRBV04_6	0.082	0.035	0.012	0.007	-0.039
TCRBV04_7	0.008	0.259	0.142	-0.115	0.027
TCRBV04_8	0.162	0.092	-0.010	0.131	0.000
TCRBV04_9	0.114	-0.324	0.036	-0.122	0.068
TCRBV04_10	0.366	0.090	-0.088	-0.049	0.112
TCRBV04_11	-0.055	-0.161	-0.064	0.022	-0.144
TCRBV04_12	-0.139	-0.093	-0.181	0.428	0.080
TCRBV04_13	-0.510	0.153	0.132	-0.270	0.035
TCRBV04_14	0.009	0.119	0.039	0.045	-0.258
TCRBV04_15	-0.036	-0.169	-0.018	-0.078	0.118
TCRBV051_5	-0.142	-0.230	-0.047	0.164	0.051
TCRBV051_6	0.031	0.039	-0.233	-0.315	0.022
TCRBV051_7	-0.317	-0.028	0.328	0.079	-0.235
TCRBV051_8	-0.036	0.029	0.394	0.013	-0.065
TCRBV051_9	0.313	-0.371	-0.116	0.090	0.029
TCRBV051_10	-0.400	0.166	0.043	-0.051	0.027
TCRBV051_11	-0.185	-0.056	-0.146	-0.120	0.158
TCRBV051_12	0.242	0.176	-0.147	0.103	0.190
TCRBV051_13	0.148	-0.206	-0.092	0.100	0.089
TCRBV052_6	0.117	-0.030	0.065	-0.251	-0.007
TCRBV052_7	-0.120	-0.137	0.255	0.094	0.104
TCRBV052_8	0.042	0.040	-0.246	0.084	-0.036
TCRBV052_9	-0.258	0.016	-0.169	0.018	0.166
TCRBV052_10	-0.054	-0.203	0.129	-0.267	-0.060
TCRBV052_11	-0.208	-0.155	-0.089	0.201	-0.094
TCRBV052_12	0.004	-0.018	0.034	0.156	0.243
TCRBV052_13	0.132	0.005	0.005	0.030	-0.049
TCRBV06_5	0.057	0.041	-0.017	-0.034	-0.080
TCRBV06_6	0.040	0.038	-0.146	-0.090	0.022
TCRBV06_7	0.290	0.121	0.013	0.064	0.088
TCRBV06_8	-0.119	-0.038	0.030	0.013	0.001
TCRBV06_9	0.051	-0.117	-0.103	0.113	0.131
TCRBV06_10	0.353	-0.158	0.200	0.057	-0.100
TCRBV06_11	-0.067	0.067	-0.146	-0.070	0.135
TCRBV06_12	-0.561	0.259	-0.113	-0.092	-0.072
TCRBV06_13	-0.114	0.006	0.117	0.047	-0.228
TCRBV07_5	-0.003	-0.030	0.077	0.092	-0.148
TCRBV07_6	0.045	0.184	0.000	0.076	-0.069
TCRBV07_7	-0.081	0.100	-0.038	-0.276	-0.058
TCRBV07_8	0.334	-0.083	0.141	-0.182	0.238
TCRBV07_9	-0.152	0.034	-0.184	0.371	-0.039
TCRBV07_10	-0.005	-0.047	-0.242	-0.022	0.043

FIGURE 107 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

10/519950

152/218

TCRBV07_11	-0.100	0.018	0.005	-0.117	0.116
TCRBV07_12	-0.004	0.032	0.085	0.095	-0.168
TCRBV07_13	-0.106	0.012	-0.007	-0.028	-0.017
TCRBV081_5	-0.041	-0.089	-0.063	-0.025	0.020
TCRBV081_6	-0.119	-0.006	0.061	-0.235	-0.281
TCRBV081_7	-0.140	-0.080	-0.004	0.018	0.024
TCRBV081_8	0.159	-0.219	-0.120	-0.007	0.048
TCRBV081_9	0.093	0.200	-0.247	0.106	0.147
TCRBV081_10	-0.136	-0.137	-0.111	0.069	0.097
TCRBV081_11	0.025	0.236	0.104	0.098	0.072
TCRBV081_12	0.158	0.096	0.380	-0.025	-0.127
TCRBV082_4	-0.060	-0.361	0.341	0.085	-0.004
TCRBV082_5	-0.219	0.128	0.042	-0.060	0.123
TCRBV082_6	-0.085	-0.150	0.327	0.075	0.364
TCRBV082_7	-0.219	0.150	-0.305	-0.219	-0.305
TCRBV082_8	-0.195	-0.015	-0.194	0.263	-0.147
TCRBV082_9	0.371	0.014	-0.077	-0.062	-0.018
TCRBV082_10	0.190	0.173	-0.157	-0.194	-0.050
TCRBV082_11	0.217	0.062	0.022	0.112	0.037
TCRBV083_4	-0.002	-0.009	-0.010	-0.004	-0.019
TCRBV083_5	0.042	0.073	0.324	0.204	0.112
TCRBV083_6	-0.154	-0.021	0.041	0.021	0.276
TCRBV083_7	-0.065	-0.154	-0.219	-0.027	-0.135
TCRBV083_8	-0.077	0.033	0.189	-0.171	0.023
TCRBV083_9	-0.103	0.037	-0.096	0.040	-0.201
TCRBV083_10	0.231	-0.167	0.210	-0.153	-0.144
TCRBV083_11	0.083	-0.156	-0.167	-0.175	0.197
TCRBV083_12	0.045	0.364	-0.272	0.265	-0.109
TCRBV09_5	0.066	0.031	-0.028	0.002	-0.018
TCRBV09_6	0.294	-0.010	-0.068	-0.224	0.112
TCRBV09_7	0.362	0.295	-0.238	-0.103	-0.191
TCRBV09_8	-0.228	0.185	-0.183	0.216	0.030
TCRBV09_9	-0.213	-0.273	-0.309	-0.218	0.227
TCRBV09_10	0.033	-0.354	0.222	-0.147	0.034
TCRBV09_11	0.137	-0.168	0.179	-0.043	-0.165
TCRBV09_12	0.027	-0.706	0.063	-0.020	-0.256
TCRBV09_13	-0.170	0.004	-0.032	0.059	-0.019
TCRBV09_14	0.119	0.063	-0.215	0.082	0.118
TCRBV09_15	0.022	0.182	-0.209	0.092	0.044
TCRBV10_6	-0.024	-0.097	0.226	-0.236	-0.050
TCRBV10_7	0.094	0.025	-0.184	-0.020	-0.310
TCRBV10_8	0.261	0.252	0.308	0.122	-0.093
TCRBV10_9	-0.443	0.090	-0.022	0.150	0.356
TCRBV10_10	0.020	-0.452	0.064	-0.243	0.097
TCRBV10_11	-0.026	0.083	-0.245	0.121	-0.043
TCRBV10_12	0.116	0.095	-0.150	0.103	0.043
TCRBV10_13	0.000	0.003	0.004	0.003	0.001
TCRBV11_5	-0.032	0.031	0.073	-0.073	-0.188
TCRBV11_6	0.014	-0.101	0.013	-0.160	-0.153
TCRBV11_7	0.026	-0.095	0.063	0.013	-0.193
TCRBV11_8	0.154	-0.046	0.049	0.026	0.307
TCRBV11_9	0.176	0.062	-0.284	0.256	-0.062
TCRBV11_10	-0.308	0.023	-0.191	-0.155	0.118
TCRBV11_11	-0.248	0.330	0.097	0.155	0.157
TCRBV11_12	0.140	-0.124	-0.002	-0.078	-0.102
TCRBV11_13	0.004	0.123	-0.006	0.007	0.009
TCRBV11_14	0.001	0.014	0.018	0.012	0.003
TCRBV11_15	0.001	0.005	0.007	0.005	0.001
TCRBV12_4	-0.075	0.100	0.066	0.006	0.094
TCRBV12_5	0.233	0.034	0.101	0.012	0.035
TCRBV12_6	0.107	0.038	-0.088	0.073	0.026
TCRBV12_7	-0.081	0.088	0.119	0.191	-0.084
TCRBV12_8	-0.003	0.093	0.350	0.278	0.005
TCRBV12_9	0.107	0.007	-0.488	0.051	-0.149

FIGURE 108

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
153/218

10/519950

TCRBV12_10	-0.016	0.048	0.237	-0.142	0.207
TCRBV12_11	-0.090	-0.388	-0.127	-0.193	0.108
TCRBV12_12	-0.183	-0.019	-0.171	-0.275	-0.243
TCRBV13_5	0.044	-0.033	0.014	0.017	-0.012
TCRBV13_6	-0.271	-0.059	0.035	0.203	0.209
TCRBV13_7	-0.030	0.250	0.077	-0.161	-0.196
TCRBV13_8	-0.160	0.156	0.398	0.084	-0.160
TCRBV13_9	0.137	0.118	0.070	0.023	0.158
TCRBV13_10	0.164	-0.032	-0.287	-0.074	-0.152
TCRBV13_11	0.127	-0.228	-0.211	0.086	0.066
TCRBV13_12	0.009	-0.035	-0.054	0.065	0.008
TCRBV13_13	-0.020	-0.136	-0.042	-0.243	0.078
TCRBV14_5	0.004	-0.033	-0.009	0.002	0.036
TCRBV14_6	0.185	-0.045	0.216	0.046	-0.146
TCRBV14_7	-0.272	0.160	-0.134	-0.059	0.053
TCRBV14_8	-0.308	0.053	0.100	-0.057	0.089
TCRBV14_9	0.054	-0.639	-0.201	-0.271	0.040
TCRBV14_10	-0.316	0.026	-0.028	0.343	-0.065
TCRBV14_11	0.564	0.282	0.078	0.100	-0.028
TCRBV14_12	0.084	0.183	-0.028	-0.108	0.024
TCRBV14_13	0.006	0.012	0.005	0.002	-0.004
TCRBV15_4	0.018	0.085	-0.051	-0.025	0.026
TCRBV15_5	-0.042	-0.167	-0.165	-0.102	-0.247
TCRBV15_6	-0.059	0.224	-0.017	0.096	-0.169
TCRBV15_7	0.054	0.265	-0.259	-0.083	0.285
TCRBV15_8	-0.097	0.013	0.078	0.146	-0.113
TCRBV15_9	-0.133	-0.227	0.184	0.039	0.053
TCRBV15_10	0.068	-0.079	0.066	0.147	0.153
TCRBV15_11	0.274	0.090	-0.031	-0.191	-0.183
TCRBV15_12	-0.155	0.018	0.031	-0.020	0.091
TCRBV16_5	0.036	0.104	0.034	-0.229	0.176
TCRBV16_6	0.142	-0.036	0.005	0.102	0.301
TCRBV16_7	-0.134	-0.585	-0.273	0.005	-0.060
TCRBV16_8	-0.189	0.060	0.007	0.025	-0.232
TCRBV16_9	-0.051	0.020	0.006	0.007	0.051
TCRBV16_10	-0.131	0.268	-0.036	0.047	-0.116
TCRBV16_11	-0.172	0.251	0.222	-0.016	-0.005
TCRBV16_12	0.037	-0.280	-0.150	0.103	-0.017
TCRBV16_13	0.044	-0.063	0.005	0.029	0.065
TCRBV18_3	0.029	-0.042	0.002	-0.023	-0.023
TCRBV18_4	0.318	-0.139	0.208	-0.178	0.000
TCRBV18_5	0.329	-0.013	-0.063	0.201	0.163
TCRBV18_6	0.299	0.392	0.038	-0.194	-0.116
TCRBV18_7	-0.813	-0.105	0.141	0.029	-0.013
TCRBV18_8	0.313	0.305	0.063	-0.275	0.014
TCRBV18_9	-0.229	-0.283	0.005	0.047	-0.084
TCRBV18_10	-0.205	-0.198	0.318	0.048	-0.313
TCRBV18_11	-0.155	-0.036	0.150	0.090	-0.068
TCRBV18_12	-0.013	0.008	0.008	-0.003	0.035
TCRBV18_13	-0.057	-0.076	-0.031	-0.018	0.022
TCRBV20_5	0.001	0.172	0.110	-0.027	-0.213
TCRBV20_6	-0.161	0.200	0.001	0.219	0.053
TCRBV20_7	-0.277	0.053	0.085	-0.109	0.113
TCRBV20_8	-0.077	0.280	-0.130	-0.204	-0.219
TCRBV20_9	0.312	-0.332	0.028	0.436	-0.109
TCRBV20_10	-0.214	-0.152	-0.028	-0.169	0.013
TCRBV20_11	0.151	-0.090	0.053	-0.048	-0.151
TCRBV20_12	0.152	0.226	-0.058	-0.109	0.329
TCRBV20_13	0.027	-0.203	-0.184	0.039	0.059
TCRBV20_14	0.015	0.069	-0.041	-0.020	0.021

51

52

TCRBV01_6	0.016	0.001
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FIGURE 108 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
154/218

10/519950

TCRBV01_7	-0.020	-0.075
TCRBV01_8	-0.138	0.225
TCRBV01_9	-0.111	-0.177
TCRBV01_10	0.077	0.009
TCRBV01_11	-0.103	-0.006
TCRBV01_12	0.204	-0.057
TCRBV01_13	0.045	0.035
TCRBV01_14	-0.004	-0.002
TCRBV02_6	0.155	-0.115
TCRBV02_7	-0.123	-0.062
TCRBV02_8	-0.486	0.108
TCRBV02_9	0.044	0.010
TCRBV02_10	-0.018	-0.073
TCRBV02_11	-0.030	-0.039
TCRBV02_12	-0.053	-0.132
TCRBV02_13	0.004	-0.038
TCRBV03_4	0.013	0.009
TCRBV03_5	-0.013	0.017
TCRBV03_6	-0.052	-0.094
TCRBV03_7	0.096	-0.156
TCRBV03_8	0.103	0.047
TCRBV03_9	0.047	0.087
TCRBV03_10	-0.035	-0.112
TCRBV03_11	-0.110	0.052
TCRBV03_12	-0.035	-0.024
TCRBV03_13	-0.046	0.128
TCRBV04_6	-0.036	0.015
TCRBV04_7	-0.061	-0.174
TCRBV04_8	0.157	-0.086
TCRBV04_9	-0.013	-0.501
TCRBV04_10	-0.157	0.379
TCRBV04_11	0.170	0.114
TCRBV04_12	-0.081	0.102
TCRBV04_13	-0.178	0.053
TCRBV04_14	0.221	0.006
TCRBV04_15	-0.022	0.093
TCRBV051_5	-0.218	-0.117
TCRBV051_6	-0.130	-0.082
TCRBV051_7	-0.092	-0.197
TCRBV051_8	-0.016	0.098
TCRBV051_9	0.115	0.071
TCRBV051_10	-0.193	0.118
TCRBV051_11	0.184	0.174
TCRBV051_12	0.140	-0.014
TCRBV051_13	0.193	0.064
TCRBV052_6	-0.046	-0.243
TCRBV052_7	0.062	0.085
TCRBV052_8	0.001	0.106
TCRBV052_9	0.140	0.107
TCRBV052_10	0.067	0.130
TCRBV052_11	-0.041	-0.072
TCRBV052_12	-0.120	-0.036
TCRBV052_13	-0.079	0.038
TCRBV06_5	-0.084	-0.030
TCRBV06_6	-0.046	-0.081
TCRBV06_7	-0.200	-0.093
TCRBV06_8	0.281	0.003
TCRBV06_9	-0.182	-0.116
TCRBV06_10	0.037	0.149
TCRBV06_11	0.050	-0.020
TCRBV06_12	-0.010	0.049
TCRBV06_13	0.121	0.093
TCRBV07_5	0.004	-0.075
TCRBV07_6	0.025	-0.118

FIGURE 108 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
155/218

10/519950

TCRBV07_7	-0.084	-0.014
TCRBV07_8	0.078	0.105
TCRBV07_9	-0.127	-0.129
TCRBV07_10	0.244	0.127
TCRBV07_11	-0.027	0.159
TCRBV07_12	-0.098	-0.110
TCRBV07_13	-0.048	0.008
TCRBV081_5	0.068	0.013
TCRBV081_6	-0.048	0.102
TCRBV081_7	0.022	0.081
TCRBV081_8	-0.095	-0.081
TCRBV081_9	-0.026	-0.092
TCRBV081_10	0.012	0.096
TCRBV081_11	-0.043	0.029
TCRBV081_12	0.110	-0.148
TCRBV082_4	0.344	-0.050
TCRBV082_5	-0.179	-0.047
TCRBV082_6	0.337	-0.016
TCRBV082_7	-0.287	0.254
TCRBV082_8	0.044	-0.045
TCRBV082_9	-0.169	0.056
TCRBV082_10	-0.109	-0.130
TCRBV082_11	0.020	-0.021
TCRBV083_4	-0.003	0.009
TCRBV083_5	-0.066	-0.001
TCRBV083_6	-0.157	-0.003
TCRBV083_7	0.199	0.101
TCRBV083_8	-0.327	0.003
TCRBV083_9	0.173	0.032
TCRBV083_10	0.206	-0.042
TCRBV083_11	-0.173	0.039
TCRBV083_12	0.148	-0.139
TCRBV09_5	0.036	0.008
TCRBV09_6	0.075	0.122
TCRBV09_7	-0.183	0.216
TCRBV09_8	0.168	-0.023
TCRBV09_9	0.002	-0.075
TCRBV09_10	0.084	-0.016
TCRBV09_11	0.143	0.010
TCRBV09_12	0.013	-0.297
TCRBV09_13	-0.277	-0.142
TCRBV09_14	-0.264	0.022
TCRBV09_15	-0.030	-0.055
TCRBV10_6	-0.015	-0.051
TCRBV10_7	-0.087	-0.026
TCRBV10_8	0.007	-0.177
TCRBV10_9	0.026	0.096
TCRBV10_10	-0.149	0.220
TCRBV10_11	0.094	-0.065
TCRBV10_12	0.117	-0.002
TCRBV10_13	0.006	0.004
TCRBV11_5	0.041	0.053
TCRBV11_6	0.108	0.035
TCRBV11_7	-0.150	0.218
TCRBV11_8	-0.292	-0.158
TCRBV11_9	0.194	-0.136
TCRBV11_10	-0.113	0.030
TCRBV11_11	0.093	-0.169
TCRBV11_12	0.019	0.053
TCRBV11_13	0.026	-0.000
TCRBV11_14	0.029	0.019
TCRBV11_15	0.011	0.007
TCRBV12_4	-0.159	-0.079

FIGURE 108 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
156/218

10/519950

TCRBV12_5	0.077	0.128
TCRBV12_6	-0.113	-0.017
TCRBV12_7	-0.022	0.280
TCRBV12_8	0.151	0.020
TCRBV12_9	0.132	-0.241
TCRBV12_10	0.001	-0.051
TCRBV12_11	-0.136	-0.088
TCRBV12_12	0.069	0.049
TCRBV13_5	0.074	-0.037
TCRBV13_6	-0.307	-0.069
TCRBV13_7	0.086	-0.060
TCRBV13_8	-0.001	0.140
TCRBV13_9	0.061	-0.077
TCRBV13_10	0.175	-0.011
TCRBV13_11	0.064	0.225
TCRBV13_12	0.014	0.036
TCRBV13_13	-0.165	-0.147
TCRBV14_5	-0.002	0.019
TCRBV14_6	-0.189	-0.020
TCRBV14_7	0.083	-0.062
TCRBV14_8	0.103	-0.023
TCRBV14_9	0.028	0.026
TCRBV14_10	0.080	-0.040
TCRBV14_11	-0.259	0.123
TCRBV14_12	0.148	-0.026
TCRBV14_13	0.008	0.003
TCRBV15_4	0.029	-0.052
TCRBV15_5	-0.116	-0.158
TCRBV15_6	-0.006	-0.061
TCRBV15_7	0.240	0.066
TCRBV15_8	0.057	0.031
TCRBV15_9	0.076	0.015
TCRBV15_10	-0.095	0.189
TCRBV15_11	-0.164	-0.094
TCRBV15_12	-0.053	0.018
TCRBV16_5	0.264	0.038
TCRBV16_6	0.025	0.032
TCRBV16_7	-0.235	0.165
TCRBV16_8	-0.007	-0.071
TCRBV16_9	0.099	0.058
TCRBV16_10	-0.263	-0.097
TCRBV16_11	-0.055	0.105
TCRBV16_12	0.113	-0.166
TCRBV16_13	0.008	0.003
TCRBV18_3	0.010	0.022
TCRBV18_4	-0.061	0.036
TCRBV18_5	-0.064	0.023
TCRBV18_6	0.039	-0.065
TCRBV18_7	0.121	-0.108
TCRBV18_8	0.036	-0.001
TCRBV18_9	-0.230	-0.031
TCRBV18_10	-0.010	-0.013
TCRBV18_11	0.078	0.235
TCRBV18_12	0.007	0.001
TCRBV18_13	0.031	0.006
TCRBV20_5	0.092	0.080
TCRBV20_6	-0.210	0.024
TCRBV20_7	-0.208	-0.132
TCRBV20_8	0.075	0.200
TCRBV20_9	0.136	0.064
TCRBV20_10	-0.026	0.105
TCRBV20_11	-0.060	0.007
TCRBV20_12	0.170	-0.154
TCRBV20_13	-0.025	-0.197
TCRBV20_14	0.023	-0.042

FIGURE 109

10/519950

157/218

Variance Explained by Components

1	2	3	4	5
806.097	574.767	525.021	474.758	360.278
6	7	8	9	10
326.711	312.488	234.426	220.247	205.757
11	12	13	14	15
197.164	187.097	166.789	160.829	147.404
16	17	18	19	20
130.104	128.438	120.749	108.967	98.134
21	22	23	24	25
90.690	78.013	76.711	61.271	59.256
26	27	28	29	30
50.362	48.663	39.763	37.130	32.355
31	32	33	34	35
29.161	26.169	24.054	21.550	20.080
36	37	38	39	40
18.509	17.875	15.007	13.936	12.903
41	42	43	44	45
11.317	9.508	8.822	8.187	7.641
46	47	48	49	50
6.640	5.734	4.707	4.103	3.624
51	52			
3.345	2.374			

Percent of Total Variance Explained

1	2	3	4	5
12.723	9.072	8.287	7.493	5.686
6	7	8	9	10
5.157	4.932	3.700	3.476	3.248
11	12	13	14	15
3.112	2.953	2.633	2.538	2.327
16	17	18	19	20
2.054	2.027	1.906	1.720	1.549
21	22	23	24	25
1.431	1.231	1.211	0.967	0.935
26	27	28	29	30
0.795	0.768	0.628	0.586	0.511
31	32	33	34	35
0.460	0.413	0.380	0.340	0.317
36	37	38	39	40
0.292	0.282	0.237	0.220	0.204
41	42	43	44	45
0.179	0.150	0.139	0.129	0.121
46	47	48	49	50
0.105	0.090	0.074	0.065	0.057
51	52			
0.053	0.037			

Scree Plot

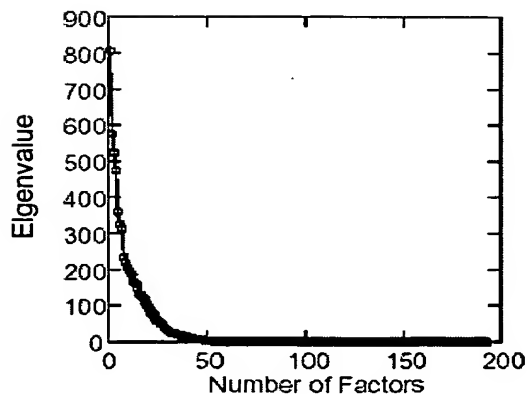


FIGURE 109 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
158/218

10/519950

Coefficients for Standardized Factor Scores

	1	2	3	4	5
TCRBV01_6	-0.000	-0.000	-0.000	0.000	0.000
TCRBV01_7	0.001	0.001	-0.000	0.000	0.000
TCRBV01_8	-0.003	-0.002	0.008	-0.010	0.007
TCRBV01_9	0.001	0.004	0.003	0.006	0.006
TCRBV01_10	0.004	0.004	0.004	0.003	0.003
TCRBV01_11	0.000	0.005	-0.001	0.003	-0.000
TCRBV01_12	-0.000	0.002	-0.002	0.000	0.001
TCRBV01_13	-0.000	0.000	-0.001	0.000	-0.000
TCRBV01_14	-0.000	0.000	-0.000	0.000	-0.000
TCRBV02_6	0.001	-0.000	-0.001	-0.000	-0.000
TCRBV02_7	0.001	0.001	0.001	-0.000	-0.003
TCRBV02_8	0.000	0.001	0.000	0.000	0.002
TCRBV02_9	0.001	0.000	0.000	0.000	-0.004
TCRBV02_10	-0.000	-0.000	0.001	-0.002	0.002
TCRBV02_11	-0.001	-0.000	0.003	-0.000	0.001
TCRBV02_12	-0.001	-0.000	0.001	-0.000	0.000
TCRBV02_13	-0.000	-0.000	0.000	-0.001	0.001
TCRBV03_4	-0.000	-0.000	-0.000	0.000	0.000
TCRBV03_5	-0.000	-0.000	-0.000	-0.000	0.000
TCRBV03_6	0.003	0.000	-0.001	-0.002	0.000
TCRBV03_7	0.003	0.003	-0.001	-0.002	0.002
TCRBV03_8	0.004	0.004	-0.000	-0.002	0.004
TCRBV03_9	0.005	0.005	-0.003	-0.000	0.005
TCRBV03_10	-0.004	0.001	0.007	-0.002	0.014
TCRBV03_11	-0.006	0.002	0.003	0.004	0.002
TCRBV03_12	-0.001	0.000	0.003	0.002	-0.004
TCRBV03_13	-0.001	-0.001	0.005	0.005	-0.006
TCRBV04_6	0.000	-0.000	-0.000	-0.000	0.000
TCRBV04_7	0.001	-0.000	-0.000	-0.001	0.000
TCRBV04_8	0.002	0.000	0.001	-0.002	0.000
TCRBV04_9	0.006	-0.002	0.001	-0.003	0.000
TCRBV04_10	0.006	-0.001	-0.001	-0.001	0.003
TCRBV04_11	-0.003	0.001	-0.003	0.004	-0.002
TCRBV04_12	-0.005	0.002	-0.001	0.003	0.004
TCRBV04_13	-0.004	0.003	0.001	0.005	-0.007
TCRBV04_14	-0.004	-0.002	0.003	-0.005	0.001
TCRBV04_15	-0.000	0.000	0.000	-0.000	-0.000
TCRBV051_5	0.000	0.000	-0.000	-0.000	0.000
TCRBV051_6	0.000	-0.000	0.000	0.000	0.002
TCRBV051_7	-0.000	-0.001	-0.001	-0.002	0.003
TCRBV051_8	0.007	-0.020	0.014	0.014	0.001
TCRBV051_9	0.000	0.002	-0.003	0.006	-0.005
TCRBV051_10	-0.001	0.009	-0.007	-0.004	-0.004
TCRBV051_11	-0.002	0.005	0.004	-0.013	-0.003
TCRBV051_12	-0.001	0.006	-0.001	-0.002	-0.002
TCRBV051_13	0.000	0.000	-0.000	-0.000	-0.000
TCRBV052_6	0.000	0.001	-0.001	-0.001	-0.000
TCRBV052_7	0.001	0.005	0.000	0.001	-0.002
TCRBV052_8	-0.004	0.010	0.012	0.007	-0.010
TCRBV052_9	0.002	-0.002	0.002	-0.001	0.000
TCRBV052_10	0.002	-0.004	-0.005	-0.002	-0.001
TCRBV052_11	0.001	-0.005	-0.001	-0.004	0.004
TCRBV052_12	0.000	-0.004	-0.002	-0.001	0.000
TCRBV052_13	0.000	-0.001	-0.000	-0.000	-0.001
TCRBV06_5	0.000	0.000	-0.000	-0.000	-0.000
TCRBV06_6	0.001	0.001	-0.001	0.000	0.001
TCRBV06_7	0.003	0.002	0.001	0.000	-0.000
TCRBV06_8	0.003	0.003	0.004	0.001	0.001

FIGURE 110

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
159/218

10/519950

TCRBV06_9	0.004	0.002	0.005	-0.007	0.006
TCRBV06_10	-0.003	0.004	-0.000	0.002	0.005
TCRBV06_11	-0.004	0.002	0.002	0.004	0.002
TCRBV06_12	-0.002	-0.001	-0.000	0.002	0.002
TCRBV06_13	-0.000	-0.000	-0.000	0.000	0.001
TCRBV07_5	0.000	0.000	-0.000	-0.000	-0.000
TCRBV07_6	0.001	0.000	0.004	0.003	-0.003
TCRBV07_7	0.002	-0.001	0.006	-0.002	-0.002
TCRBV07_8	0.002	0.004	-0.001	0.001	0.004
TCRBV07_9	0.006	0.004	0.005	-0.002	0.003
TCRBV07_10	-0.001	0.004	-0.001	0.002	0.008
TCRBV07_11	-0.004	0.001	-0.001	0.000	0.005
TCRBV07_12	-0.002	0.001	-0.001	0.001	0.001
TCRBV07_13	-0.000	-0.000	-0.000	-0.000	0.000
TCRBV081_5	-0.000	-0.000	0.000	0.000	0.000
TCRBV081_6	-0.000	0.001	-0.000	-0.001	0.002
TCRBV081_7	0.001	-0.001	0.000	-0.002	0.006
TCRBV081_8	0.001	-0.000	0.002	0.000	0.002
TCRBV081_9	0.005	-0.008	-0.001	-0.003	-0.001
TCRBV081_10	-0.002	0.002	-0.003	0.005	-0.004
TCRBV081_11	-0.003	0.004	0.001	0.001	-0.003
TCRBV081_12	-0.001	0.002	0.000	-0.001	-0.002
TCRBV082_4	0.001	-0.001	-0.000	-0.002	-0.001
TCRBV082_5	0.002	-0.002	-0.001	-0.005	-0.002
TCRBV082_6	0.002	-0.001	0.000	-0.004	-0.002
TCRBV082_7	0.005	-0.004	0.003	-0.008	-0.008
TCRBV082_8	-0.002	0.002	-0.000	0.004	-0.001
TCRBV082_9	-0.004	0.004	-0.001	0.007	0.008
TCRBV082_10	-0.003	0.001	-0.001	0.006	0.004
TCRBV082_11	-0.001	0.000	0.000	0.002	0.002
TCRBV083_4	-0.000	-0.000	0.000	0.000	-0.000
TCRBV083_5	-0.000	0.000	0.000	-0.000	-0.000
TCRBV083_6	0.001	-0.000	-0.002	-0.001	-0.002
TCRBV083_7	-0.000	-0.001	0.002	-0.001	0.004
TCRBV083_8	0.000	0.002	0.000	-0.002	0.003
TCRBV083_9	0.001	0.000	-0.002	0.000	0.001
TCRBV083_10	-0.001	0.001	-0.000	0.002	-0.000
TCRBV083_11	-0.001	-0.000	0.003	0.002	-0.004
TCRBV083_12	-0.000	-0.001	-0.001	0.001	-0.003
TCRBV09_5	-0.000	-0.000	0.000	0.000	0.000
TCRBV09_6	0.000	-0.000	-0.001	0.000	0.001
TCRBV09_7	0.001	-0.001	-0.000	-0.001	0.006
TCRBV09_8	0.000	-0.002	0.005	0.010	0.012
TCRBV09_9	0.003	-0.001	0.008	0.006	0.008
TCRBV09_10	0.003	0.006	0.001	-0.004	0.010
TCRBV09_11	-0.002	0.005	0.013	-0.008	-0.014
TCRBV09_12	-0.000	0.006	-0.001	-0.003	-0.003
TCRBV09_13	0.000	0.001	-0.000	-0.001	-0.001
TCRBV09_14	0.000	0.000	-0.000	-0.000	-0.000
TCRBV09_15	0.000	-0.000	0.000	-0.000	-0.000
TCRBV10_6	0.001	0.001	-0.000	-0.001	-0.001
TCRBV10_7	0.001	0.003	0.002	0.002	-0.005
TCRBV10_8	0.002	0.003	-0.000	0.001	-0.000
TCRBV10_9	-0.005	-0.003	0.001	-0.004	0.001
TCRBV10_10	-0.001	-0.003	0.000	0.001	0.001
TCRBV10_11	0.002	-0.001	-0.002	0.001	0.003
TCRBV10_12	0.000	-0.000	-0.001	0.000	0.001
TCRBV10_13	-0.000	-0.000	-0.000	0.000	0.000
TCRBV11_5	0.000	-0.000	-0.000	0.000	0.001
TCRBV11_6	0.001	0.001	0.000	-0.002	0.001
TCRBV11_7	0.001	0.002	0.002	0.000	-0.001
TCRBV11_8	0.001	0.003	0.004	-0.003	-0.000
TCRBV11_9	0.004	0.003	0.011	-0.002	0.003
TCRBV11_10	-0.000	0.003	0.000	0.004	0.005

FIGURE 110 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
160/218

10/519950

TCRBV11_11	-0.002	0.002	-0.003	0.001	0.004
TCRBV11_12	-0.001	0.000	-0.002	0.003	0.002
TCRBV11_13	-0.001	-0.000	-0.001	0.000	0.001
TCRBV11_14	-0.000	-0.000	-0.000	0.000	0.000
TCRBV11_15	-0.000	-0.000	-0.000	0.000	0.000
TCRBV12_4	-0.000	0.000	0.000	0.000	-0.001
TCRBV12_5	0.002	0.001	0.006	0.001	-0.008
TCRBV12_6	0.003	0.002	0.002	-0.004	0.003
TCRBV12_7	0.005	0.001	0.000	-0.005	0.005
TCRBV12_8	0.002	-0.001	-0.006	-0.002	0.002
TCRBV12_9	-0.005	-0.002	-0.005	0.005	-0.001
TCRBV12_10	-0.002	-0.001	0.003	0.003	-0.001
TCRBV12_11	-0.004	-0.000	0.000	0.001	0.001
TCRBV12_12	-0.001	-0.000	0.000	0.001	-0.000
TCRBV13_5	-0.000	-0.000	-0.000	0.000	0.000
TCRBV13_6	0.000	0.001	0.000	-0.003	-0.002
TCRBV13_7	0.002	-0.001	-0.003	-0.002	0.007
TCRBV13_8	0.001	-0.000	-0.002	0.000	0.003
TCRBV13_9	0.000	0.000	0.009	0.010	-0.012
TCRBV13_10	-0.003	0.001	-0.002	-0.003	0.004
TCRBV13_11	-0.001	-0.001	-0.001	-0.003	-0.002
TCRBV13_12	-0.000	-0.000	-0.001	0.000	0.000
TCRBV13_13	0.000	-0.000	-0.000	0.000	0.000
TCRBV14_5	0.000	0.000	0.000	-0.000	-0.001
TCRBV14_6	0.001	-0.000	-0.002	-0.002	0.001
TCRBV14_7	-0.001	0.000	0.000	-0.002	-0.002
TCRBV14_8	0.003	-0.001	-0.001	-0.000	-0.001
TCRBV14_9	0.001	-0.001	-0.002	0.007	0.001
TCRBV14_10	-0.002	0.000	0.002	-0.004	0.002
TCRBV14_11	-0.002	0.001	0.002	-0.001	-0.000
TCRBV14_12	-0.000	0.000	-0.000	0.000	0.000
TCRBV14_13	-0.000	-0.000	-0.000	0.000	0.000
TCRBV15_4	-0.000	0.000	-0.000	0.000	0.000
TCRBV15_5	0.001	-0.002	-0.001	0.000	0.004
TCRBV15_6	0.002	0.000	0.001	-0.001	0.003
TCRBV15_7	0.004	0.003	0.003	0.000	0.004
TCRBV15_8	0.006	0.004	0.005	0.001	0.004
TCRBV15_9	-0.002	0.006	0.007	0.002	-0.000
TCRBV15_10	-0.004	0.003	-0.003	0.001	0.002
TCRBV15_11	-0.003	0.001	-0.002	0.000	-0.000
TCRBV15_12	-0.001	0.000	0.000	-0.000	-0.000
TCRBV16_5	-0.000	0.000	0.000	0.000	-0.001
TCRBV16_6	0.001	-0.001	0.001	0.002	0.001
TCRBV16_7	0.005	0.001	0.002	0.001	0.001
TCRBV16_8	0.007	0.006	-0.002	0.001	-0.003
TCRBV16_9	0.009	0.010	-0.004	0.004	-0.005
TCRBV16_10	0.000	0.006	0.001	0.005	-0.003
TCRBV16_11	-0.005	-0.002	0.007	0.002	0.013
TCRBV16_12	-0.010	-0.004	0.011	-0.014	0.004
TCRBV16_13	-0.000	-0.000	0.000	0.000	-0.000
TCRBV18_3	0.000	-0.000	-0.000	-0.000	0.000
TCRBV18_4	0.000	-0.000	0.000	-0.002	0.001
TCRBV18_5	0.000	0.001	0.003	-0.000	-0.002
TCRBV18_6	-0.002	0.003	0.006	-0.002	-0.002
TCRBV18_7	-0.000	0.006	0.004	0.003	0.003
TCRBV18_8	0.002	0.009	-0.002	-0.000	0.009
TCRBV18_9	-0.001	0.003	0.000	0.003	0.010
TCRBV18_10	-0.000	0.002	-0.000	0.003	0.004
TCRBV18_11	-0.001	-0.000	-0.001	0.001	0.003
TCRBV18_12	-0.000	0.000	0.000	0.000	-0.000
TCRBV18_13	0.000	-0.000	-0.000	-0.000	0.000
TCRBV20_5	0.000	-0.000	0.000	0.000	0.001
TCRBV20_6	0.001	-0.000	0.001	0.000	-0.001
TCRBV20_7	0.002	0.001	0.001	0.001	-0.000

FIGURE 110 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
161/218

10/519950

TCRBV20_8	0.004	0.002	0.002	-0.001	0.001
TCRBV20_9	0.004	0.004	0.004	0.004	0.005
TCRBV20_10	-0.001	0.006	0.003	-0.004	0.000
TCRBV20_11	-0.005	0.003	0.003	0.000	0.001
TCRBV20_12	-0.002	0.001	-0.001	0.001	0.001
TCRBV20_13	-0.000	-0.003	-0.002	0.001	0.008
TCRBV20_14	-0.000	0.000	-0.000	0.000	0.000
	6	7	8	9	10
TCRBV01_6	0.000	-0.000	-0.000	-0.000	-0.000
TCRBV01_7	-0.002	0.000	0.000	0.001	0.001
TCRBV01_8	0.002	-0.008	0.002	0.011	-0.002
TCRBV01_9	0.000	0.003	-0.003	0.010	0.001
TCRBV01_10	-0.000	0.005	-0.002	-0.008	-0.000
TCRBV01_11	0.007	0.003	0.002	-0.008	0.006
TCRBV01_12	0.002	0.001	-0.002	-0.002	0.003
TCRBV01_13	0.001	-0.001	0.001	-0.001	0.001
TCRBV01_14	0.000	-0.000	0.000	-0.000	-0.000
TCRBV02_6	-0.001	-0.002	-0.001	0.002	0.001
TCRBV02_7	-0.001	-0.001	0.002	0.002	-0.003
TCRBV02_8	-0.004	-0.001	-0.000	-0.003	0.001
TCRBV02_9	-0.001	0.002	-0.009	0.002	0.000
TCRBV02_10	-0.004	-0.002	-0.003	-0.002	0.001
TCRBV02_11	-0.000	0.000	0.002	0.001	-0.000
TCRBV02_12	0.001	0.001	-0.000	0.000	-0.003
TCRBV02_13	0.000	-0.000	0.001	0.001	0.000
TCRBV03_4	0.000	0.000	0.000	-0.000	0.000
TCRBV03_5	0.000	0.000	0.000	-0.000	-0.000
TCRBV03_6	-0.000	0.003	-0.001	0.004	-0.003
TCRBV03_7	0.000	0.004	-0.003	0.002	-0.002
TCRBV03_8	0.000	0.004	-0.005	0.012	-0.001
TCRBV03_9	0.002	0.005	-0.007	0.007	0.000
TCRBV03_10	0.008	-0.009	0.005	-0.000	-0.000
TCRBV03_11	0.005	-0.005	-0.010	-0.008	0.010
TCRBV03_12	0.001	0.000	0.006	-0.008	0.001
TCRBV03_13	-0.005	-0.000	0.014	-0.005	0.004
TCRBV04_6	0.000	0.000	0.000	0.000	0.000
TCRBV04_7	-0.001	0.001	-0.000	0.001	0.005
TCRBV04_8	0.001	0.002	-0.003	-0.000	0.006
TCRBV04_9	-0.000	0.004	-0.001	-0.007	0.008
TCRBV04_10	-0.002	0.003	-0.003	-0.005	0.001
TCRBV04_11	0.000	-0.003	0.004	-0.004	-0.008
TCRBV04_12	0.000	0.000	0.004	0.000	-0.011
TCRBV04_13	0.000	-0.002	-0.001	0.014	-0.001
TCRBV04_14	0.002	-0.005	0.001	0.000	0.001
TCRBV04_15	-0.000	-0.000	0.001	0.001	-0.001
TCRBV051_5	-0.000	0.000	0.000	-0.000	0.001
TCRBV051_6	0.000	0.001	0.001	-0.001	0.001
TCRBV051_7	-0.000	0.001	0.001	0.002	0.005
TCRBV051_8	0.008	-0.007	-0.009	0.000	-0.004
TCRBV051_9	0.014	-0.005	-0.001	0.012	-0.002
TCRBV051_10	-0.003	-0.000	0.004	0.006	-0.008
TCRBV051_11	-0.003	0.002	0.011	-0.006	-0.001
TCRBV051_12	-0.003	0.001	-0.001	0.000	-0.007
TCRBV051_13	-0.000	0.000	0.000	-0.000	0.000
TCRBV052_6	-0.001	-0.000	0.001	0.000	-0.001
TCRBV052_7	-0.005	-0.005	-0.003	0.003	-0.000
TCRBV052_8	-0.013	-0.002	-0.014	0.002	0.002
TCRBV052_9	0.006	-0.008	-0.004	0.014	-0.027
TCRBV052_10	0.006	-0.003	0.009	0.002	0.003
TCRBV052_11	0.011	0.007	0.013	-0.007	0.006
TCRBV052_12	0.006	0.004	0.005	0.000	0.003

FIGURE 111

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
162/218

10/519950

TCRBV052_13	0.001	0.001	-0.000	0.000	-0.000
TCRBV06_5	-0.000	0.000	-0.000	-0.000	0.000
TCRBV06_6	-0.000	-0.002	0.001	0.001	-0.000
TCRBV06_7	-0.000	-0.002	0.003	0.004	-0.004
TCRBV06_8	-0.003	0.000	0.008	-0.004	0.000
TCRBV06_9	0.009	-0.009	0.007	-0.007	-0.003
TCRBV06_10	0.007	0.005	-0.007	-0.003	0.008
TCRBV06_11	-0.001	0.006	-0.007	0.007	0.005
TCRBV06_12	-0.000	0.004	-0.006	0.006	0.003
TCRBV06_13	-0.000	0.000	-0.001	0.000	0.000
TCRBV07_5	-0.000	-0.000	0.000	0.000	-0.000
TCRBV07_6	-0.003	-0.001	0.008	-0.004	0.005
TCRBV07_7	0.009	0.002	-0.002	-0.005	0.001
TCRBV07_8	-0.005	-0.001	-0.005	0.009	0.007
TCRBV07_9	0.001	-0.007	-0.000	0.002	-0.007
TCRBV07_10	0.006	0.004	-0.005	-0.004	0.001
TCRBV07_11	0.004	0.001	0.004	0.004	0.000
TCRBV07_12	0.000	0.003	-0.001	0.001	0.001
TCRBV07_13	-0.001	0.001	0.000	-0.000	-0.000
TCRBV081_5	-0.000	0.000	0.000	-0.001	0.000
TCRBV081_6	-0.001	0.002	0.005	-0.002	0.001
TCRBV081_7	-0.003	0.009	0.005	-0.004	-0.003
TCRBV081_8	-0.003	0.009	0.003	-0.002	-0.004
TCRBV081_9	-0.009	0.000	-0.005	-0.000	-0.002
TCRBV081_10	0.012	-0.016	-0.002	0.001	0.001
TCRBV081_11	0.005	-0.004	-0.003	0.004	0.005
TCRBV081_12	-0.000	-0.001	-0.003	0.003	0.001
TCRBV082_4	0.000	-0.000	0.000	-0.000	0.003
TCRBV082_5	-0.001	-0.001	-0.002	0.001	0.008
TCRBV082_6	-0.000	-0.001	-0.002	0.002	0.005
TCRBV082_7	0.001	-0.002	-0.002	-0.001	0.013
TCRBV082_8	0.002	-0.002	-0.001	0.001	-0.008
TCRBV082_9	0.001	0.002	0.003	-0.003	-0.011
TCRBV082_10	-0.002	0.001	0.003	0.000	-0.009
TCRBV082_11	-0.000	0.002	0.001	0.000	-0.002
TCRBV083_4	-0.000	0.000	0.001	-0.000	0.000
TCRBV083_5	-0.000	-0.000	-0.000	0.002	0.001
TCRBV083_6	0.001	-0.000	0.001	0.001	-0.000
TCRBV083_7	0.003	0.001	0.005	-0.006	-0.001
TCRBV083_8	0.001	-0.002	-0.004	-0.002	-0.002
TCRBV083_9	-0.003	-0.001	0.002	0.001	-0.005
TCRBV083_10	-0.004	-0.002	-0.000	0.002	0.004
TCRBV083_11	0.002	0.003	-0.001	0.001	0.002
TCRBV083_12	0.001	0.000	-0.003	0.003	0.001
TCRBV09_5	-0.000	0.000	-0.000	-0.001	-0.001
TCRBV09_6	0.000	0.000	0.001	0.001	0.003
TCRBV09_7	-0.001	-0.003	-0.003	0.002	0.007
TCRBV09_8	-0.004	0.002	-0.000	0.010	0.012
TCRBV09_9	-0.004	-0.004	0.003	0.001	0.009
TCRBV09_10	-0.011	0.002	-0.008	-0.001	-0.003
TCRBV09_11	0.007	0.016	-0.011	-0.004	-0.007
TCRBV09_12	-0.002	-0.000	0.001	0.009	-0.011
TCRBV09_13	-0.001	-0.000	0.000	0.002	-0.002
TCRBV09_14	-0.000	-0.000	-0.000	0.000	-0.000
TCRBV09_15	-0.000	-0.000	-0.000	0.000	0.000
TCRBV10_6	-0.000	-0.000	0.001	-0.002	-0.002
TCRBV10_7	-0.003	-0.002	-0.000	-0.000	-0.004
TCRBV10_8	-0.006	-0.006	0.001	0.001	-0.006
TCRBV10_9	-0.010	-0.009	-0.015	-0.015	-0.001
TCRBV10_10	0.003	0.004	0.004	0.007	0.000
TCRBV10_11	0.012	0.010	0.005	0.004	0.007
TCRBV10_12	0.004	0.004	0.003	0.004	0.005
TCRBV10_13	0.000	0.000	0.000	-0.000	0.000
TCRBV11_5	-0.000	-0.000	-0.001	0.000	-0.001

FIGURE 111 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

163/218

10/519950

TCRBV11_6	-0.001	-0.003	-0.001	0.002	0.002
TCRBV11_7	-0.002	-0.002	-0.001	0.001	0.001
TCRBV11_8	0.001	-0.006	-0.001	0.008	0.004
TCRBV11_9	0.004	0.003	-0.009	-0.006	-0.006
TCRBV11_10	0.002	0.002	0.005	0.002	0.004
TCRBV11_11	0.003	0.002	0.004	-0.003	0.002
TCRBV11_12	0.003	0.005	0.001	-0.001	0.001
TCRBV11_13	0.000	0.002	0.001	-0.001	0.001
TCRBV11_14	0.001	0.000	0.000	-0.000	0.000
TCRBV11_15	0.000	0.000	0.000	-0.000	0.000
TCRBV12_4	-0.000	0.000	-0.000	0.001	-0.000
TCRBV12_5	-0.005	0.002	0.015	-0.000	0.006
TCRBV12_6	-0.002	0.005	0.002	0.001	0.003
TCRBV12_7	-0.003	0.003	0.002	0.011	-0.000
TCRBV12_8	-0.000	0.001	-0.000	0.008	0.003
TCRBV12_9	-0.000	-0.011	-0.002	-0.004	0.003
TCRBV12_10	0.007	0.006	-0.011	-0.020	-0.018
TCRBV12_11	0.003	-0.005	-0.003	0.001	0.004
TCRBV12_12	0.001	-0.001	-0.002	0.000	0.000
TCRBV13_5	0.000	0.000	0.000	0.000	0.000
TCRBV13_6	0.007	0.005	-0.005	-0.000	-0.002
TCRBV13_7	0.003	-0.005	-0.004	0.003	-0.005
TCRBV13_8	-0.009	-0.003	0.003	0.000	0.001
TCRBV13_9	-0.005	0.003	0.010	0.005	0.001
TCRBV13_10	0.001	-0.001	-0.008	-0.005	0.002
TCRBV13_11	0.001	0.002	0.003	-0.004	0.003
TCRBV13_12	0.001	0.000	0.000	0.000	0.001
TCRBV13_13	-0.000	-0.000	-0.000	0.000	-0.000
TCRBV14_5	0.000	0.000	0.000	-0.001	0.000
TCRBV14_6	-0.000	-0.001	0.001	-0.002	-0.000
TCRBV14_7	0.001	-0.001	-0.006	-0.000	0.006
TCRBV14_8	0.002	0.001	-0.004	-0.002	-0.001
TCRBV14_9	-0.003	-0.002	0.004	0.009	-0.001
TCRBV14_10	-0.000	0.001	0.004	-0.000	0.002
TCRBV14_11	0.000	0.001	0.001	-0.002	-0.007
TCRBV14_12	-0.000	0.001	0.000	-0.001	0.001
TCRBV14_13	-0.000	0.000	0.000	-0.000	0.000
TCRBV15_4	0.000	0.000	0.000	0.000	0.001
TCRBV15_5	-0.000	0.003	-0.004	0.004	-0.010
TCRBV15_6	-0.002	0.000	0.003	0.001	0.001
TCRBV15_7	-0.002	-0.001	0.007	0.002	-0.000
TCRBV15_8	0.002	-0.001	0.002	0.009	0.002
TCRBV15_9	0.007	0.002	-0.004	-0.006	0.001
TCRBV15_10	0.004	0.000	-0.003	-0.003	0.010
TCRBV15_11	0.002	-0.001	-0.001	-0.002	0.003
TCRBV15_12	0.000	-0.000	-0.002	-0.000	0.002
TCRBV16_5	-0.000	-0.000	0.002	-0.000	-0.000
TCRBV16_6	-0.004	-0.000	0.004	-0.000	-0.001
TCRBV16_7	-0.003	-0.007	-0.001	-0.012	-0.006
TCRBV16_8	0.003	-0.007	-0.001	0.000	0.003
TCRBV16_9	0.018	-0.007	-0.003	0.001	0.000
TCRBV16_10	0.005	0.014	0.004	0.007	0.009
TCRBV16_11	0.001	0.011	0.007	0.004	-0.019
TCRBV16_12	0.003	-0.007	-0.004	0.017	0.008
TCRBV16_13	-0.000	0.000	-0.000	0.001	-0.000
TCRBV18_3	0.000	-0.000	0.000	0.000	0.000
TCRBV18_4	0.001	-0.000	0.004	0.003	-0.002
TCRBV18_5	0.000	-0.001	0.008	0.003	-0.000
TCRBV18_6	0.003	-0.009	0.012	0.001	-0.001
TCRBV18_7	-0.003	-0.008	0.021	-0.011	-0.004
TCRBV18_8	0.001	-0.012	-0.003	-0.015	0.005
TCRBV18_9	-0.005	0.002	-0.008	-0.008	0.012
TCRBV18_10	-0.002	0.000	-0.005	0.003	0.004
TCRBV18_11	-0.002	0.002	-0.002	0.001	0.000

FIGURE 111 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

10/519950

164/218

TCRBV18_12	0.000	0.000	-0.000	0.001	0.000
TCRBV18_13	0.000	0.000	0.000	-0.000	0.000
TCRBV20_5	0.000	0.000	-0.000	-0.001	-0.001
TCRBV20_6	-0.000	-0.002	-0.003	-0.002	-0.001
TCRBV20_7	0.002	-0.003	0.002	0.002	-0.000
TCRBV20_8	0.005	0.001	-0.003	0.000	-0.007
TCRBV20_9	-0.004	-0.005	-0.000	-0.001	0.007
TCRBV20_10	0.003	0.002	0.000	0.004	0.009
TCRBV20_11	0.006	0.001	0.004	-0.000	0.007
TCRBV20_12	0.002	0.003	0.001	-0.003	0.002
TCRBV20_13	-0.002	0.004	-0.003	0.003	-0.007
TCRBV20_14	0.000	0.000	0.000	0.000	0.000
	11	12	13	14	15
TCRBV01_6	-0.000	0.001	0.000	-0.000	0.001
TCRBV01_7	-0.003	0.001	0.002	0.002	-0.000
TCRBV01_8	-0.007	0.002	0.004	-0.001	-0.012
TCRBV01_9	0.001	-0.003	-0.016	-0.001	-0.007
TCRBV01_10	-0.005	0.005	0.024	-0.006	-0.001
TCRBV01_11	0.004	0.004	-0.004	0.011	0.008
TCRBV01_12	0.006	0.003	0.003	0.005	0.003
TCRBV01_13	0.000	0.000	0.000	0.001	0.001
TCRBV01_14	-0.000	0.000	0.000	-0.000	0.000
TCRBV02_6	0.001	-0.001	-0.001	0.000	-0.002
TCRBV02_7	0.001	-0.005	0.001	0.001	0.004
TCRBV02_8	-0.006	-0.001	-0.005	0.002	0.002
TCRBV02_9	-0.006	0.002	-0.004	0.001	-0.003
TCRBV02_10	-0.002	-0.000	-0.001	0.006	0.002
TCRBV02_11	0.003	-0.006	0.001	0.004	0.005
TCRBV02_12	0.001	-0.001	-0.002	0.003	0.003
TCRBV02_13	-0.000	0.000	0.001	-0.000	-0.001
TCRBV03_4	0.000	0.000	0.000	-0.000	-0.000
TCRBV03_5	0.000	0.001	0.000	-0.000	-0.000
TCRBV03_6	-0.001	0.004	0.004	0.000	-0.000
TCRBV03_7	0.003	0.005	0.003	-0.001	0.007
TCRBV03_8	-0.002	0.012	0.002	-0.010	0.009
TCRBV03_9	-0.004	0.012	0.005	0.000	-0.001
TCRBV03_10	0.000	-0.007	-0.001	-0.011	-0.006
TCRBV03_11	0.010	-0.009	-0.004	0.015	-0.007
TCRBV03_12	0.000	-0.001	-0.002	0.008	-0.002
TCRBV03_13	-0.012	-0.004	0.007	0.011	-0.005
TCRBV04_6	0.000	0.000	0.000	0.000	0.000
TCRBV04_7	0.001	-0.000	-0.001	0.001	0.002
TCRBV04_8	-0.001	-0.001	-0.003	0.004	0.001
TCRBV04_9	-0.006	-0.005	-0.007	0.002	0.009
TCRBV04_10	-0.002	-0.000	0.003	0.007	-0.002
TCRBV04_11	0.007	0.004	0.003	0.008	-0.004
TCRBV04_12	0.005	0.003	0.003	0.003	-0.005
TCRBV04_13	-0.002	0.002	0.009	-0.021	0.009
TCRBV04_14	-0.002	-0.004	-0.005	-0.003	-0.010
TCRBV04_15	0.001	0.001	-0.001	-0.000	-0.000
TCRBV051_5	0.000	0.000	-0.001	0.000	-0.000
TCRBV051_6	0.005	0.002	-0.001	0.001	-0.002
TCRBV051_7	0.001	-0.006	-0.002	0.005	0.001
TCRBV051_8	0.005	-0.004	0.009	0.000	0.011
TCRBV051_9	0.004	-0.007	0.010	0.010	0.001
TCRBV051_10	0.006	-0.015	-0.002	0.001	-0.004
TCRBV051_11	0.007	0.005	-0.005	0.002	0.011
TCRBV051_12	-0.001	-0.006	-0.002	-0.002	-0.005
TCRBV051_13	-0.000	0.000	-0.001	-0.000	-0.000
TCRBV052_6	-0.000	0.000	-0.002	0.001	-0.001
TCRBV052_7	0.004	-0.003	-0.004	0.006	-0.005

FIGURE 111 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
165/218

10/519950

TCRBV052_8	0.013	0.001	0.003	0.003	-0.008
TCRBV052_9	-0.006	-0.008	-0.014	0.014	0.012
TCRBV052_10	0.014	-0.010	0.008	0.002	-0.001
TCRBV052_11	0.004	-0.008	0.010	-0.005	0.012
TCRBV052_12	0.000	-0.002	0.005	-0.003	0.004
TCRBV052_13	-0.000	-0.000	-0.001	-0.000	-0.001
TCRBV06_5	0.000	-0.000	-0.000	0.000	0.000
TCRBV06_6	0.004	0.004	-0.003	0.002	0.001
TCRBV06_7	0.002	0.002	-0.002	-0.002	0.003
TCRBV06_8	0.001	-0.002	-0.000	0.002	0.000
TCRBV06_9	-0.003	0.013	-0.003	0.002	-0.010
TCRBV06_10	-0.004	0.002	0.006	0.006	-0.003
TCRBV06_11	-0.003	-0.006	0.006	-0.002	0.003
TCRBV06_12	-0.001	-0.002	0.009	0.004	0.002
TCRBV06_13	-0.001	0.000	0.001	-0.000	-0.002
TCRBV07_5	0.000	-0.000	0.000	0.000	-0.000
TCRBV07_6	-0.000	0.003	-0.001	0.009	-0.003
TCRBV07_7	0.000	0.011	-0.011	0.013	-0.017
TCRBV07_8	0.003	0.003	0.005	0.006	0.001
TCRBV07_9	0.017	-0.006	0.017	0.008	0.008
TCRBV07_10	-0.012	-0.010	0.002	-0.013	0.003
TCRBV07_11	-0.007	0.006	-0.003	-0.008	-0.000
TCRBV07_12	-0.006	0.003	0.004	-0.005	0.001
TCRBV07_13	-0.001	0.001	0.000	-0.000	-0.000
TCRBV081_5	0.001	0.001	-0.000	0.000	-0.000
TCRBV081_6	0.001	-0.000	-0.006	0.004	-0.001
TCRBV081_7	-0.004	-0.003	-0.009	0.003	-0.005
TCRBV081_8	0.002	0.005	-0.005	0.004	-0.007
TCRBV081_9	0.014	-0.013	0.016	-0.011	-0.018
TCRBV081_10	-0.008	0.009	0.001	0.001	0.013
TCRBV081_11	-0.004	0.003	-0.000	0.000	0.012
TCRBV081_12	-0.001	-0.001	0.003	-0.001	0.006
TCRBV082_4	0.002	0.001	-0.002	-0.001	0.000
TCRBV082_5	0.005	0.001	-0.004	0.001	0.003
TCRBV082_6	0.002	0.002	-0.002	0.002	0.001
TCRBV082_7	0.007	0.004	-0.007	-0.000	0.002
TCRBV082_8	-0.005	0.003	0.004	0.002	-0.001
TCRBV082_9	-0.006	-0.006	0.006	-0.002	-0.006
TCRBV082_10	-0.003	-0.002	0.005	-0.001	0.000
TCRBV082_11	-0.001	-0.002	-0.001	-0.001	0.001
TCRBV083_4	-0.001	-0.000	0.000	0.001	-0.000
TCRBV083_5	-0.001	-0.000	0.002	-0.001	0.000
TCRBV083_6	0.001	-0.000	-0.000	0.003	-0.002
TCRBV083_7	-0.005	-0.011	-0.004	-0.004	-0.003
TCRBV083_8	-0.002	-0.005	-0.002	-0.003	0.004
TCRBV083_9	0.003	0.008	0.006	0.006	0.002
TCRBV083_10	0.002	0.005	0.005	0.005	-0.003
TCRBV083_11	0.003	0.005	-0.007	-0.003	0.003
TCRBV083_12	-0.001	-0.002	0.001	-0.004	-0.001
TCRBV09_5	0.001	0.001	-0.000	0.000	-0.001
TCRBV09_6	-0.001	0.001	0.001	0.001	-0.001
TCRBV09_7	-0.003	-0.003	0.002	0.001	-0.001
TCRBV09_8	0.012	0.007	-0.026	-0.001	-0.001
TCRBV09_9	-0.021	-0.014	0.010	0.016	-0.004
TCRBV09_10	0.009	-0.002	0.013	0.013	-0.006
TCRBV09_11	-0.007	-0.002	-0.002	0.011	0.011
TCRBV09_12	0.003	-0.002	0.003	-0.008	-0.001
TCRBV09_13	0.001	0.001	-0.001	-0.002	0.000
TCRBV09_14	0.001	0.001	-0.001	-0.000	0.000
TCRBV09_15	0.000	0.000	-0.000	-0.000	0.000
TCRBV10_6	-0.000	0.002	-0.004	0.005	0.001
TCRBV10_7	-0.005	0.000	-0.002	0.001	-0.001
TCRBV10_8	0.002	0.001	-0.000	0.004	-0.002
TCRBV10_9	-0.010	-0.011	-0.003	0.001	0.008

FIGURE 112

TCRBV10_10	0.008	0.003	0.002	-0.011	0.005
TCRBV10_11	0.004	0.007	0.002	-0.000	-0.012
TCRBV10_12	0.001	-0.001	0.005	-0.000	0.002
TCRBV10_13	0.000	0.000	0.000	-0.000	-0.000
TCRBV11_5	-0.001	-0.000	0.000	0.002	0.001
TCRBV11_6	0.002	-0.002	0.003	0.001	0.002
TCRBV11_7	-0.005	-0.004	-0.003	0.001	-0.004
TCRBV11_8	-0.003	-0.001	-0.003	0.005	-0.002
TCRBV11_9	-0.003	0.000	0.001	-0.013	0.007
TCRBV11_10	0.003	0.006	0.002	0.005	-0.004
TCRBV11_11	-0.000	0.005	0.007	0.005	0.001
TCRBV11_12	0.001	0.004	0.003	0.007	-0.006
TCRBV11_13	0.000	0.003	0.002	-0.001	-0.001
TCRBV11_14	0.001	0.001	0.001	-0.001	-0.000
TCRBV11_15	0.000	0.000	0.000	-0.000	-0.000
TCRBV12_4	-0.000	0.000	-0.000	-0.002	0.001
TCRBV12_5	-0.010	-0.001	-0.000	0.003	0.003
TCRBV12_6	-0.007	-0.009	-0.000	-0.012	0.009
TCRBV12_7	-0.005	-0.006	0.000	0.005	0.001
TCRBV12_8	-0.001	-0.004	0.003	0.005	-0.007
TCRBV12_9	0.005	0.006	-0.003	0.004	0.004
TCRBV12_10	0.014	0.012	0.006	-0.003	-0.009
TCRBV12_11	0.002	0.002	-0.003	-0.000	-0.004
TCRBV12_12	0.001	0.000	-0.002	0.000	0.001
TCRBV13_5	0.000	0.001	0.000	-0.000	-0.001
TCRBV13_6	-0.003	0.001	-0.002	-0.003	-0.016
TCRBV13_7	-0.004	0.008	0.004	0.005	-0.004
TCRBV13_8	-0.005	0.007	0.008	0.009	-0.002
TCRBV13_9	-0.007	0.005	-0.003	-0.014	0.003
TCRBV13_10	0.011	-0.016	-0.005	-0.005	0.012
TCRBV13_11	0.007	-0.003	-0.007	0.007	0.008
TCRBV13_12	0.002	-0.002	0.002	0.002	0.000
TCRBV13_13	0.000	-0.001	0.002	-0.000	-0.001
TCRBV14_5	-0.000	-0.000	-0.002	0.001	0.000
TCRBV14_6	0.000	-0.003	0.001	-0.004	0.000
TCRBV14_7	-0.001	-0.002	-0.001	0.007	0.001
TCRBV14_8	-0.002	0.004	0.006	0.008	-0.007
TCRBV14_9	0.004	-0.003	-0.008	-0.004	0.001
TCRBV14_10	-0.002	-0.005	0.002	-0.005	0.003
TCRBV14_11	0.002	0.006	0.000	0.000	0.001
TCRBV14_12	0.001	0.002	0.001	-0.002	0.001
TCRBV14_13	-0.000	0.001	0.000	-0.001	-0.000
TCRBV15_4	0.000	-0.000	0.001	0.000	0.000
TCRBV15_5	-0.009	0.004	0.001	0.015	0.009
TCRBV15_6	0.000	0.005	0.001	-0.002	-0.004
TCRBV15_7	0.007	-0.002	-0.002	0.005	-0.005
TCRBV15_8	0.009	-0.000	-0.007	-0.004	-0.002
TCRBV15_9	-0.007	-0.012	0.003	-0.013	-0.017
TCRBV15_10	-0.001	0.011	0.010	0.007	0.008
TCRBV15_11	-0.002	0.005	0.005	0.003	0.003
TCRBV15_12	-0.001	0.001	0.001	0.001	0.002
TCRBV16_5	-0.000	0.000	0.000	0.001	-0.001
TCRBV16_6	-0.004	0.001	-0.000	0.010	0.005
TCRBV16_7	0.007	0.003	0.014	-0.008	0.001
TCRBV16_8	-0.001	-0.007	0.003	0.004	-0.009
TCRBV16_9	-0.003	-0.010	-0.013	0.002	-0.009
TCRBV16_10	0.006	-0.009	0.012	0.011	0.012
TCRBV16_11	0.017	-0.005	-0.011	0.007	0.013
TCRBV16_12	0.002	0.010	0.013	0.002	-0.006
TCRBV16_13	-0.000	-0.000	0.001	-0.001	-0.000
TCRBV18_3	0.000	-0.000	0.000	-0.000	0.000
TCRBV18_4	0.002	-0.000	0.002	0.002	0.002
TCRBV18_5	0.003	-0.002	0.003	0.002	0.004
TCRBV18_6	0.006	-0.002	0.007	0.010	0.014

FIGURE 112 (continuing)

10/519950

167/218

TCRBV18_7	-0.004	0.008	0.003	-0.004	-0.001
TCRBV18_8	0.002	-0.001	-0.005	-0.009	0.025
TCRBV18_9	0.004	0.002	-0.009	-0.001	0.005
TCRBV18_10	0.002	-0.002	-0.002	-0.002	0.008
TCRBV18_11	-0.006	0.006	-0.000	-0.001	0.001
TCRBV18_12	-0.000	0.001	0.000	-0.002	0.000
TCRBV18_13	0.000	0.000	-0.000	-0.000	0.000
TCRBV20_5	-0.001	-0.002	-0.000	-0.001	0.001
TCRBV20_6	-0.001	0.000	0.002	0.001	0.001
TCRBV20_7	0.003	0.005	-0.002	-0.000	-0.004
TCRBV20_8	-0.005	0.012	-0.004	-0.001	-0.005
TCRBV20_9	0.004	0.011	-0.000	-0.013	0.001
TCRBV20_10	0.006	0.003	0.009	0.000	0.010
TCRBV20_11	0.000	-0.015	0.000	0.003	-0.016
TCRBV20_12	0.003	-0.005	0.007	0.006	-0.005
TCRBV20_13	-0.015	0.004	0.000	0.016	0.011
TCRBV20_14	0.000	-0.000	0.001	0.000	0.000
	16	17	18	19	20
TCRBV01_6	0.001	-0.001	0.001	0.000	-0.001
TCRBV01_7	-0.000	-0.007	0.006	0.004	-0.005
TCRBV01_8	-0.008	-0.004	0.005	0.005	0.002
TCRBV01_9	0.006	-0.015	0.012	0.014	0.011
TCRBV01_10	0.010	0.019	-0.001	-0.004	-0.003
TCRBV01_11	-0.003	0.004	-0.001	-0.008	-0.003
TCRBV01_12	-0.003	-0.000	-0.009	-0.009	0.001
TCRBV01_13	0.001	0.003	-0.003	-0.004	0.002
TCRBV01_14	0.000	0.000	-0.000	-0.000	0.001
TCRBV02_6	0.001	-0.004	0.001	0.001	-0.004
TCRBV02_7	0.001	-0.001	-0.000	-0.004	0.004
TCRBV02_8	0.007	-0.005	0.008	-0.008	0.003
TCRBV02_9	0.007	-0.005	0.001	-0.026	-0.001
TCRBV02_10	0.004	-0.003	0.010	-0.020	0.011
TCRBV02_11	0.004	-0.001	0.001	-0.008	0.007
TCRBV02_12	0.000	-0.001	-0.002	0.001	0.009
TCRBV02_13	-0.001	0.000	-0.001	-0.001	0.000
TCRBV03_4	-0.001	0.000	-0.000	0.002	-0.001
TCRBV03_5	0.000	0.001	-0.000	0.002	-0.001
TCRBV03_6	-0.000	-0.008	0.006	0.002	0.007
TCRBV03_7	-0.002	-0.008	0.000	0.005	0.004
TCRBV03_8	-0.010	-0.005	-0.003	-0.001	-0.002
TCRBV03_9	0.005	0.003	0.010	-0.002	-0.003
TCRBV03_10	0.009	0.006	-0.013	-0.019	-0.006
TCRBV03_11	-0.005	0.005	0.008	0.006	0.008
TCRBV03_12	-0.000	0.005	0.003	-0.013	-0.001
TCRBV03_13	0.006	-0.000	0.001	0.016	0.002
TCRBV04_6	-0.000	-0.000	0.000	0.000	-0.000
TCRBV04_7	0.001	-0.000	-0.002	-0.000	0.007
TCRBV04_8	0.004	0.005	-0.001	0.003	0.007
TCRBV04_9	0.013	0.005	-0.005	0.008	0.008
TCRBV04_10	0.011	0.014	-0.015	0.005	0.006
TCRBV04_11	-0.007	-0.022	0.003	-0.003	-0.014
TCRBV04_12	0.002	-0.009	0.008	-0.000	-0.012
TCRBV04_13	-0.015	0.007	0.007	-0.010	-0.012
TCRBV04_14	-0.009	0.000	0.002	-0.003	0.010
TCRBV04_15	0.001	-0.000	0.003	-0.000	0.001
TCRBV051_5	0.000	0.001	0.000	0.000	-0.000
TCRBV051_6	-0.001	0.003	-0.002	0.003	-0.004
TCRBV051_7	0.004	0.005	-0.002	0.005	-0.024
TCRBV051_8	-0.005	-0.014	-0.009	0.002	0.001
TCRBV051_9	0.004	0.021	-0.012	0.003	0.006
TCRBV051_10	0.011	0.002	-0.005	0.014	0.006

FIGURE 112 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
168/218

1U/519950

TCRBV051_11	0.001	-0.013	-0.014	-0.004	0.006
TCRBV051_12	-0.002	-0.003	0.004	0.004	0.011
TCRBV051_13	0.001	0.000	0.001	0.000	0.001
TCRBV052_6	-0.000	-0.001	0.000	0.003	-0.004
TCRBV052_7	0.004	0.004	0.004	0.003	-0.012
TCRBV052_8	0.010	0.002	-0.029	0.013	0.016
TCRBV052_9	0.003	0.021	-0.007	-0.006	-0.017
TCRBV052_10	0.003	0.002	0.002	0.009	0.005
TCRBV052_11	-0.001	-0.021	-0.007	0.004	0.010
TCRBV052_12	-0.006	-0.005	-0.002	0.001	0.007
TCRBV052_13	0.000	-0.001	0.000	0.001	-0.001
TCRBV06_5	0.000	0.000	-0.000	0.000	0.000
TCRBV06_6	0.002	-0.003	-0.002	0.001	0.003
TCRBV06_7	-0.001	-0.002	0.001	0.001	-0.002
TCRBV06_8	0.008	-0.008	0.004	0.019	0.002
TCRBV06_9	0.001	0.005	-0.011	-0.000	0.002
TCRBV06_10	0.006	0.001	-0.000	-0.003	-0.005
TCRBV06_11	-0.012	0.005	0.017	-0.008	-0.000
TCRBV06_12	-0.002	0.004	0.001	-0.009	0.007
TCRBV06_13	0.001	-0.003	0.002	-0.003	-0.002
TCRBV07_5	0.000	-0.000	0.000	0.000	-0.000
TCRBV07_6	-0.002	0.002	-0.003	0.001	-0.004
TCRBV07_7	-0.005	-0.000	-0.009	-0.005	-0.012
TCRBV07_8	-0.005	0.005	0.000	-0.003	-0.008
TCRBV07_9	-0.016	0.006	0.013	0.007	0.007
TCRBV07_10	0.017	-0.003	0.001	0.002	-0.000
TCRBV07_11	0.004	-0.009	0.006	-0.003	0.016
TCRBV07_12	0.009	-0.001	0.001	-0.001	0.008
TCRBV07_13	0.001	-0.000	0.001	-0.000	-0.000
TCRBV081_5	0.000	0.001	-0.001	0.000	0.000
TCRBV081_6	-0.004	0.003	0.002	0.000	-0.004
TCRBV081_7	-0.004	0.006	-0.000	0.005	-0.007
TCRBV081_8	-0.014	0.001	-0.005	0.001	-0.008
TCRBV081_9	0.001	0.004	0.006	-0.012	0.009
TCRBV081_10	0.017	-0.016	-0.004	-0.002	0.008
TCRBV081_11	0.003	-0.001	0.001	0.006	-0.000
TCRBV081_12	0.002	0.002	0.000	0.002	0.001
TCRBV082_4	0.000	0.001	0.003	0.002	0.002
TCRBV082_5	0.004	0.003	0.005	0.002	0.000
TCRBV082_6	0.001	0.005	0.003	-0.003	0.004
TCRBV082_7	0.005	0.006	0.008	-0.011	0.008
TCRBV082_8	0.002	-0.007	-0.003	0.002	0.000
TCRBV082_9	-0.006	-0.006	-0.007	0.002	-0.006
TCRBV082_10	-0.004	-0.004	-0.006	0.004	-0.007
TCRBV082_11	-0.001	0.002	-0.002	0.001	-0.002
TCRBV083_4	0.000	-0.000	0.000	0.001	0.000
TCRBV083_5	0.001	-0.000	-0.001	-0.001	0.001
TCRBV083_6	-0.001	-0.002	0.004	-0.002	-0.000
TCRBV083_7	0.012	-0.002	0.004	0.004	0.001
TCRBV083_8	0.010	0.004	0.004	0.004	-0.015
TCRBV083_9	-0.009	-0.003	-0.001	0.004	0.012
TCRBV083_10	-0.002	0.001	0.002	0.006	0.003
TCRBV083_11	-0.010	0.001	-0.004	-0.012	-0.001
TCRBV083_12	-0.002	0.001	-0.008	-0.004	-0.000
TCRBV09_5	-0.000	-0.000	-0.001	-0.000	-0.000
TCRBV09_6	-0.000	-0.000	0.002	-0.002	-0.003
TCRBV09_7	-0.002	0.000	0.006	-0.006	-0.006
TCRBV09_8	0.006	0.003	0.009	-0.013	0.019
TCRBV09_9	0.000	-0.011	0.009	-0.001	-0.020
TCRBV09_10	0.001	-0.017	-0.003	-0.019	-0.005
TCRBV09_11	0.001	0.001	0.023	0.002	0.001
TCRBV09_12	0.000	-0.003	0.008	-0.004	0.001
TCRBV09_13	0.003	0.001	0.002	-0.001	0.000
TCRBV09_14	0.002	0.001	0.001	0.000	0.001

FIGURE 112 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
169/218

10/519950

TCRBV09_15	0.000	0.001	0.000	-0.000	0.000
TCRBV10_6	-0.000	0.000	0.001	-0.006	-0.005
TCRBV10_7	0.002	-0.004	-0.008	-0.018	-0.006
TCRBV10_8	0.010	-0.006	-0.005	-0.011	0.004
TCRBV10_9	0.001	-0.006	0.003	0.010	0.003
TCRBV10_10	-0.006	0.002	0.007	0.004	0.012
TCRBV10_11	-0.002	0.009	0.001	0.017	-0.007
TCRBV10_12	-0.005	0.005	0.001	0.004	-0.000
TCRBV10_13	-0.000	0.000	-0.000	0.001	-0.000
TCRBV11_5	-0.001	0.001	-0.000	-0.000	0.001
TCRBV11_6	-0.003	-0.007	0.005	0.001	0.002
TCRBV11_7	-0.001	-0.007	0.005	-0.001	0.004
TCRBV11_8	-0.000	-0.007	0.002	-0.005	-0.000
TCRBV11_9	0.008	0.001	-0.001	0.000	-0.001
TCRBV11_10	0.003	0.003	-0.001	-0.003	0.006
TCRBV11_11	0.001	0.007	0.001	-0.004	0.003
TCRBV11_12	0.000	0.004	0.002	0.002	-0.002
TCRBV11_13	-0.002	0.003	0.001	0.004	-0.004
TCRBV11_14	-0.001	0.001	-0.001	0.004	-0.002
TCRBV11_15	-0.000	0.000	-0.000	0.001	-0.001
TCRBV12_4	-0.002	0.001	-0.002	-0.002	-0.002
TCRBV12_5	-0.009	0.002	-0.005	-0.002	-0.005
TCRBV12_6	0.005	0.006	-0.006	0.001	-0.004
TCRBV12_7	-0.011	0.003	-0.009	0.001	0.017
TCRBV12_8	0.010	-0.007	-0.001	-0.007	0.001
TCRBV12_9	-0.001	0.000	0.010	-0.000	-0.013
TCRBV12_10	0.002	-0.003	0.003	-0.002	0.002
TCRBV12_11	0.005	0.000	0.007	0.006	0.001
TCRBV12_12	0.001	-0.001	0.003	0.006	0.002
TCRBV13_5	-0.001	0.001	-0.001	0.003	-0.002
TCRBV13_6	0.002	-0.001	0.003	0.010	-0.000
TCRBV13_7	0.003	-0.006	0.003	-0.004	0.020
TCRBV13_8	-0.002	-0.003	0.005	0.009	0.009
TCRBV13_9	-0.001	0.002	-0.008	0.003	0.001
TCRBV13_10	0.005	0.006	0.002	0.005	-0.015
TCRBV13_11	-0.005	0.000	-0.001	-0.018	-0.012
TCRBV13_12	0.001	0.003	-0.003	-0.007	-0.002
TCRBV13_13	-0.001	-0.001	0.001	0.000	0.001
TCRBV14_5	-0.002	-0.000	0.001	-0.002	-0.000
TCRBV14_6	0.006	-0.000	-0.001	-0.002	-0.008
TCRBV14_7	-0.005	-0.003	0.008	0.005	0.001
TCRBV14_8	0.002	-0.004	-0.001	-0.003	-0.008
TCRBV14_9	0.016	0.000	-0.003	-0.000	0.017
TCRBV14_10	-0.008	0.006	-0.004	-0.004	-0.007
TCRBV14_11	-0.007	0.001	0.003	0.004	0.007
TCRBV14_12	-0.002	-0.001	-0.002	0.001	-0.001
TCRBV14_13	-0.001	0.000	0.000	0.001	-0.001
TCRBV15_4	-0.001	0.000	-0.000	-0.000	0.000
TCRBV15_5	-0.012	0.006	-0.005	0.005	0.018
TCRBV15_6	-0.002	-0.006	0.001	0.001	-0.007
TCRBV15_7	-0.002	-0.009	0.005	0.008	-0.010
TCRBV15_8	0.004	-0.006	-0.002	-0.004	-0.022
TCRBV15_9	-0.013	0.001	0.007	-0.010	0.021
TCRBV15_10	0.019	0.005	0.002	-0.005	0.001
TCRBV15_11	0.008	0.006	0.001	-0.000	0.003
TCRBV15_12	0.003	0.001	0.003	0.003	0.002
TCRBV16_5	0.001	-0.000	0.002	0.001	-0.001
TCRBV16_6	-0.002	-0.001	-0.003	0.007	0.010
TCRBV16_7	-0.000	0.007	0.003	0.006	-0.001
TCRBV16_8	0.001	0.014	-0.004	-0.007	0.005
TCRBV16_9	-0.018	-0.012	-0.003	0.003	0.004
TCRBV16_10	0.013	-0.013	-0.006	0.001	-0.005
TCRBV16_11	0.015	0.005	0.001	-0.003	0.005
TCRBV16_12	0.006	0.003	-0.017	0.018	-0.007

FIGURE 113

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
170/218

10/519950

TCRBV16_13	0.000	-0.002	-0.001	-0.001	-0.001
TCRBV18_3	0.000	0.000	0.000	0.000	0.000
TCRBV18_4	-0.003	0.001	0.009	-0.005	-0.001
TCRBV18_5	-0.001	0.004	0.018	-0.006	-0.001
TCRBV18_6	0.001	0.006	0.031	0.006	0.006
TCRBV18_7	0.001	0.019	0.003	-0.015	0.010
TCRBV18_8	-0.019	-0.003	-0.010	0.005	0.008
TCRBV18_9	-0.023	0.006	-0.004	0.016	-0.004
TCRBV18_10	-0.008	0.011	-0.011	0.011	-0.010
TCRBV18_11	-0.003	0.008	-0.003	0.004	-0.002
TCRBV18_12	-0.002	0.001	-0.001	0.001	-0.001
TCRBV18_13	0.000	0.001	0.000	0.000	0.000
TCRBV20_5	0.001	0.000	0.001	0.000	-0.002
TCRBV20_6	0.002	-0.007	0.001	0.004	-0.002
TCRBV20_7	0.009	-0.006	-0.001	0.009	-0.003
TCRBV20_8	0.007	0.001	0.012	0.019	-0.003
TCRBV20_9	0.007	0.008	0.022	0.003	-0.009
TCRBV20_10	-0.005	-0.018	-0.016	-0.017	-0.004
TCRBV20_11	-0.007	0.004	-0.005	-0.008	0.012
TCRBV20_12	0.001	0.006	-0.001	-0.006	0.002
TCRBV20_13	-0.012	0.009	-0.002	-0.006	0.015
TCRBV20_14	-0.000	0.000	-0.000	-0.000	0.000
<hr/>					
	21	22	23	24	25
TCRBV01_6	0.002	0.001	0.001	0.000	0.004
TCRBV01_7	-0.000	0.003	0.001	0.013	-0.004
TCRBV01_8	-0.006	0.008	-0.007	0.009	0.013
TCRBV01_9	0.009	-0.012	-0.017	0.007	0.004
TCRBV01_10	0.019	0.017	-0.004	-0.026	-0.018
TCRBV01_11	0.002	-0.012	0.009	0.008	0.001
TCRBV01_12	-0.007	-0.002	0.015	0.013	0.002
TCRBV01_13	-0.000	-0.002	0.005	-0.001	0.003
TCRBV01_14	0.000	-0.000	0.000	-0.000	-0.000
TCRBV02_6	-0.002	-0.002	-0.001	-0.003	-0.001
TCRBV02_7	-0.003	-0.008	0.008	-0.003	0.004
TCRBV02_8	-0.008	-0.002	0.005	-0.008	0.002
TCRBV02_9	-0.010	-0.020	0.015	-0.009	-0.004
TCRBV02_10	-0.003	-0.004	0.011	-0.021	-0.001
TCRBV02_11	-0.007	0.003	0.005	-0.007	-0.008
TCRBV02_12	-0.002	0.003	0.003	-0.004	-0.003
TCRBV02_13	-0.001	0.001	-0.001	-0.001	0.002
TCRBV03_4	0.001	0.001	-0.001	0.001	0.000
TCRBV03_5	0.003	0.001	-0.001	0.002	0.001
TCRBV03_6	0.009	0.007	0.008	0.001	0.008
TCRBV03_7	0.004	0.002	0.014	-0.002	-0.001
TCRBV03_8	0.006	0.002	0.012	-0.005	0.011
TCRBV03_9	0.012	-0.002	-0.004	0.006	-0.003
TCRBV03_10	-0.023	-0.008	-0.022	0.011	0.009
TCRBV03_11	0.002	0.001	-0.002	0.004	-0.022
TCRBV03_12	0.008	0.000	-0.012	-0.006	-0.006
TCRBV03_13	-0.002	-0.002	0.012	0.010	0.006
TCRBV04_6	-0.000	0.000	0.000	-0.001	-0.001
TCRBV04_7	0.001	0.001	0.001	0.007	-0.001
TCRBV04_8	0.002	0.002	0.006	0.007	0.002
TCRBV04_9	-0.004	-0.006	0.004	0.016	0.007
TCRBV04_10	0.001	0.003	-0.003	-0.021	0.012
TCRBV04_11	0.008	0.001	-0.005	-0.017	-0.013
TCRBV04_12	0.010	-0.000	0.003	0.003	-0.007
TCRBV04_13	-0.017	-0.005	-0.006	0.004	-0.008
TCRBV04_14	0.001	0.002	-0.001	-0.001	0.010
TCRBV04_15	-0.002	0.003	-0.001	0.002	-0.001
TCRBV05_1	-0.002	0.001	0.002	-0.003	-0.001
TCRBV05_6	-0.009	0.000	0.015	-0.006	-0.018

FIGURE 113 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
171/218

10/519950

TCRBV051_7	-0.002	0.008	0.012	-0.012	-0.026
TCRBV051_8	0.016	0.007	-0.001	0.021	0.002
TCRBV051_9	-0.022	-0.018	0.001	-0.000	-0.000
TCRBV051_10	0.008	0.006	-0.002	-0.018	0.013
TCRBV051_11	0.006	0.004	-0.030	-0.001	0.004
TCRBV051_12	0.003	0.002	-0.006	0.004	0.010
TCRBV051_13	-0.001	0.002	-0.001	0.004	0.000
TCRBV052_6	-0.002	0.000	0.001	-0.005	-0.001
TCRBV052_7	0.005	0.008	0.000	0.001	0.012
TCRBV052_8	-0.009	0.013	0.002	0.020	-0.019
TCRBV052_9	0.009	0.003	-0.008	0.003	0.009
TCRBV052_10	0.010	-0.009	0.002	-0.015	-0.007
TCRBV052_11	-0.006	-0.000	-0.007	-0.003	-0.004
TCRBV052_12	-0.006	-0.002	-0.002	-0.010	-0.006
TCRBV052_13	-0.002	0.000	0.001	-0.003	-0.001
TCRBV06_5	0.000	0.000	-0.001	-0.001	0.002
TCRBV06_6	0.004	-0.001	0.004	0.009	-0.009
TCRBV06_7	0.006	0.011	0.008	0.001	-0.003
TCRBV06_8	0.003	0.006	0.001	0.003	0.007
TCRBV06_9	0.016	-0.005	-0.003	-0.000	-0.010
TCRBV06_10	-0.009	-0.001	0.001	0.005	0.001
TCRBV06_11	-0.002	-0.008	0.008	0.002	0.021
TCRBV06_12	0.001	-0.003	-0.013	0.006	-0.006
TCRBV06_13	-0.000	0.002	-0.003	-0.002	0.001
TCRBV07_5	0.000	-0.000	0.000	0.000	-0.001
TCRBV07_6	0.003	-0.005	0.008	-0.001	-0.001
TCRBV07_7	-0.005	-0.018	0.010	0.003	-0.007
TCRBV07_8	-0.008	0.009	-0.010	0.003	-0.001
TCRBV07_9	0.000	-0.004	0.003	-0.013	0.028
TCRBV07_10	0.006	0.009	-0.010	0.030	-0.013
TCRBV07_11	0.010	0.005	0.012	0.003	0.003
TCRBV07_12	0.010	0.003	-0.011	-0.003	-0.005
TCRBV07_13	0.003	-0.001	0.002	0.002	0.002
TCRBV081_5	-0.002	0.000	0.003	-0.001	-0.002
TCRBV081_6	-0.004	0.005	-0.003	-0.003	0.002
TCRBV081_7	-0.001	0.003	-0.005	0.008	-0.006
TCRBV081_8	-0.005	0.001	0.005	0.001	-0.010
TCRBV081_9	0.017	-0.033	-0.022	0.019	0.003
TCRBV081_10	0.001	0.016	0.013	-0.015	0.016
TCRBV081_11	-0.004	0.007	0.007	-0.009	-0.002
TCRBV081_12	-0.001	-0.000	0.003	-0.002	-0.002
TCRBV082_4	-0.007	0.006	0.002	-0.001	0.002
TCRBV082_5	-0.002	0.010	0.003	0.007	0.008
TCRBV082_6	-0.003	0.014	0.001	0.003	0.005
TCRBV082_7	0.001	0.014	0.002	0.009	0.009
TCRBV082_8	-0.010	-0.027	-0.012	-0.005	-0.016
TCRBV082_9	0.011	-0.011	-0.002	-0.003	-0.007
TCRBV082_10	0.007	-0.009	-0.001	-0.009	-0.001
TCRBV082_11	0.003	0.003	0.006	-0.000	0.000
TCRBV083_4	-0.000	-0.000	0.001	0.001	0.001
TCRBV083_5	-0.000	-0.000	-0.001	0.001	0.001
TCRBV083_6	-0.004	-0.000	-0.001	0.002	-0.001
TCRBV083_7	-0.004	0.005	-0.000	0.005	-0.004
TCRBV083_8	-0.007	0.004	-0.006	0.003	-0.006
TCRBV083_9	-0.011	-0.005	0.006	-0.002	0.010
TCRBV083_10	0.004	0.001	0.003	-0.013	0.006
TCRBV083_11	0.017	-0.004	-0.006	0.002	-0.011
TCRBV083_12	0.005	-0.001	0.004	0.001	0.004
TCRBV09_5	-0.002	-0.000	0.002	0.001	-0.004
TCRBV09_6	-0.002	0.004	0.006	-0.007	0.003
TCRBV09_7	0.002	0.011	0.008	-0.010	-0.006
TCRBV09_8	-0.012	-0.003	-0.012	-0.038	0.003
TCRBV09_9	-0.012	-0.003	0.009	-0.010	0.030

FIGURE 113 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
172/218

10/519950

TCRBV09_10	-0.006	0.005	0.008	-0.003	-0.010
TCRBV09_11	0.005	-0.023	-0.020	-0.009	0.010
TCRBV09_12	0.001	0.006	0.014	0.027	0.005
TCRBV09_13	0.001	0.006	0.008	0.015	-0.001
TCRBV09_14	0.002	0.003	0.002	0.008	0.002
TCRBV09_15	0.000	-0.000	0.000	0.001	-0.001
TCRBV10_6	0.008	0.005	-0.006	-0.006	-0.002
TCRBV10_7	0.009	0.005	-0.009	0.001	0.014
TCRBV10_8	0.003	-0.006	-0.005	-0.001	0.018
TCRBV10_9	0.000	-0.012	0.014	0.005	-0.023
TCRBV10_10	-0.005	-0.007	0.005	-0.002	-0.010
TCRBV10_11	-0.011	0.008	0.001	0.006	0.008
TCRBV10_12	-0.006	0.007	0.001	-0.003	-0.005
TCRBV10_13	0.000	0.000	-0.001	0.001	0.000
TCRBV11_5	-0.001	0.001	-0.003	0.002	-0.002
TCRBV11_6	-0.011	0.000	-0.005	0.005	0.001
TCRBV11_7	-0.006	0.003	0.002	0.004	0.001
TCRBV11_8	0.002	-0.000	-0.005	-0.012	-0.008
TCRBV11_9	-0.011	0.008	-0.003	-0.020	-0.018
TCRBV11_10	0.011	-0.012	0.012	0.013	-0.006
TCRBV11_11	0.018	0.003	0.007	0.004	0.013
TCRBV11_12	0.008	-0.007	0.004	0.015	0.014
TCRBV11_13	0.007	0.002	-0.001	0.007	0.008
TCRBV11_14	0.002	0.002	-0.003	0.003	0.000
TCRBV11_15	0.001	0.001	-0.001	0.001	0.000
TCRBV12_4	0.000	0.001	0.002	-0.001	-0.002
TCRBV12_5	0.012	-0.007	0.014	-0.001	-0.002
TCRBV12_6	-0.001	-0.010	0.006	0.002	-0.011
TCRBV12_7	-0.003	-0.018	0.009	-0.002	-0.020
TCRBV12_8	0.001	-0.005	0.002	-0.008	-0.001
TCRBV12_9	0.001	0.012	-0.012	0.016	0.004
TCRBV12_10	-0.023	0.013	-0.001	-0.011	0.011
TCRBV12_11	0.006	0.011	-0.021	0.005	0.016
TCRBV12_12	0.005	0.003	0.001	0.000	0.004
TCRBV13_5	0.001	0.000	-0.001	-0.000	0.000
TCRBV13_6	-0.013	0.003	0.004	0.005	0.008
TCRBV13_7	0.006	0.016	0.001	-0.004	-0.013
TCRBV13_8	-0.008	-0.009	-0.016	0.008	-0.008
TCRBV13_9	0.005	0.003	0.006	-0.012	0.007
TCRBV13_10	-0.002	-0.002	0.015	0.003	-0.004
TCRBV13_11	0.008	-0.001	-0.011	-0.003	0.007
TCRBV13_12	0.001	-0.002	0.003	0.002	0.003
TCRBV13_13	0.001	-0.009	-0.002	0.001	0.000
TCRBV14_5	0.003	0.000	-0.002	-0.000	-0.002
TCRBV14_6	0.006	0.004	-0.002	-0.005	0.000
TCRBV14_7	0.016	-0.004	0.006	-0.007	-0.003
TCRBV14_8	0.003	-0.009	-0.001	0.006	0.003
TCRBV14_9	-0.005	-0.012	-0.003	-0.002	-0.004
TCRBV14_10	-0.011	0.015	-0.001	-0.008	-0.002
TCRBV14_11	-0.014	0.005	0.004	0.010	0.007
TCRBV14_12	0.001	0.000	-0.000	0.003	0.001
TCRBV14_13	0.001	0.000	-0.001	0.001	0.000
TCRBV15_4	-0.000	0.001	0.000	-0.001	0.001
TCRBV15_5	-0.001	0.013	-0.015	0.001	-0.010
TCRBV15_6	-0.009	-0.001	0.003	0.010	-0.001
TCRBV15_7	-0.013	-0.001	-0.003	0.002	-0.003
TCRBV15_8	0.009	0.009	-0.000	0.005	0.001
TCRBV15_9	0.013	0.011	0.018	-0.007	0.007
TCRBV15_10	0.006	-0.018	0.000	0.014	0.006
TCRBV15_11	0.010	-0.009	0.001	-0.000	0.006
TCRBV15_12	0.003	-0.004	-0.000	-0.001	-0.003
TCRBV16_5	-0.001	0.003	0.001	0.003	-0.001
TCRBV16_6	-0.006	0.009	-0.012	0.019	0.002
TCRBV16_7	-0.003	0.005	-0.000	-0.017	0.002

FIGURE 113 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
173/218

10/519950

TCRBV16_8	-0.001	0.010	0.005	0.016	0.000
TCRBV16_9	0.006	-0.004	-0.007	0.003	-0.027
TCRBV16_10	-0.005	0.008	-0.032	-0.006	0.008
TCRBV16_11	0.013	-0.003	0.034	0.014	0.009
TCRBV16_12	0.014	-0.016	0.004	-0.018	-0.004
TCRBV16_13	0.001	0.001	0.001	-0.002	-0.001
TCRBV18_3	0.000	-0.000	0.000	0.000	-0.000
TCRBV18_4	-0.004	0.009	0.002	0.009	-0.009
TCRBV18_5	-0.004	0.011	0.002	0.009	-0.015
TCRBV18_6	-0.003	0.001	0.002	0.006	-0.035
TCRBV18_7	-0.012	-0.010	-0.007	0.012	0.004
TCRBV18_8	0.001	-0.024	0.003	-0.003	0.021
TCRBV18_9	0.007	-0.001	-0.010	0.002	0.015
TCRBV18_10	0.010	-0.006	-0.006	-0.008	0.013
TCRBV18_11	0.004	0.004	-0.008	0.003	-0.003
TCRBV18_12	0.001	0.001	-0.000	0.001	-0.001
TCRBV18_13	-0.001	0.000	0.001	-0.001	0.000
TCRBV20_5	-0.002	-0.002	-0.002	0.002	-0.000
TCRBV20_6	-0.005	0.002	-0.000	0.001	0.015
TCRBV20_7	0.001	-0.012	0.005	-0.013	-0.012
TCRBV20_8	-0.010	-0.019	0.007	0.007	0.018
TCRBV20_9	0.018	-0.009	-0.012	0.004	-0.019
TCRBV20_10	-0.002	0.001	0.010	0.032	0.000
TCRBV20_11	0.018	0.018	0.002	-0.007	0.010
TCRBV20_12	0.001	0.004	0.003	-0.008	0.007
TCRBV20_13	0.000	0.017	-0.010	0.007	-0.016
TCRBV20_14	-0.000	0.001	0.000	-0.001	0.001
		27	28	29	30
TCRBV01_6	-0.004	-0.004	-0.001	0.001	0.004
TCRBV01_7	-0.002	-0.004	0.004	0.005	-0.004
TCRBV01_8	0.015	0.007	0.007	0.005	0.012
TCRBV01_9	0.007	0.014	-0.013	-0.030	-0.036
TCRBV01_10	0.004	0.002	-0.001	0.013	0.002
TCRBV01_11	0.003	0.002	0.004	0.003	0.010
TCRBV01_12	0.004	-0.007	-0.004	0.008	0.011
TCRBV01_13	0.002	0.005	0.001	0.001	-0.000
TCRBV01_14	0.000	0.001	0.000	-0.000	0.000
TCRBV02_6	0.000	0.001	-0.002	0.005	0.022
TCRBV02_7	0.010	-0.006	-0.007	0.004	-0.001
TCRBV02_8	-0.006	-0.009	-0.001	-0.008	0.009
TCRBV02_9	-0.022	0.019	0.013	0.008	-0.010
TCRBV02_10	-0.020	0.005	0.014	-0.004	0.000
TCRBV02_11	-0.020	0.003	-0.003	-0.002	-0.001
TCRBV02_12	-0.009	-0.002	0.014	-0.006	0.002
TCRBV02_13	-0.002	-0.001	-0.000	-0.004	0.000
TCRBV03_4	0.002	-0.000	-0.001	0.000	-0.001
TCRBV03_5	-0.000	-0.001	0.000	0.003	-0.000
TCRBV03_6	0.011	-0.004	0.000	0.008	-0.007
TCRBV03_7	0.006	-0.006	0.013	-0.001	-0.009
TCRBV03_8	-0.007	-0.004	0.028	-0.012	-0.007
TCRBV03_9	-0.012	-0.004	-0.007	-0.024	0.011
TCRBV03_10	0.002	0.007	0.009	0.001	0.017
TCRBV03_11	0.011	0.005	-0.014	0.016	-0.006
TCRBV03_12	0.009	-0.005	-0.018	0.009	0.002
TCRBV03_13	0.007	0.025	-0.015	0.006	-0.001
TCRBV04_6	-0.002	0.001	0.000	0.001	0.001
TCRBV04_7	0.001	-0.008	0.003	0.004	0.010
TCRBV04_8	0.010	-0.013	-0.001	0.003	-0.006
TCRBV04_9	0.013	-0.022	0.003	0.016	-0.007
TCRBV04_10	-0.005	0.007	-0.015	-0.039	-0.015
TCRBV04_11	-0.004	0.012	-0.002	0.018	-0.005
TCRBV04_12	-0.005	0.003	0.003	0.025	0.019

FIGURE 114

OBLON, SPIVAK, ET AL.  
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Preliminary Amendment  
REPLACEMENT SHEET  
174/218

10/519950

TCRBV04_13	-0.003	0.013	-0.001	-0.007	0.004
TCRBV04_14	-0.007	0.002	0.007	-0.012	-0.003
TCRBV04_15	0.002	0.004	0.002	-0.010	0.001
TCRBV051_5	0.002	-0.001	-0.003	0.002	0.010
TCRBV051_6	0.006	-0.015	-0.004	0.018	-0.002
TCRBV051_7	0.023	0.003	0.014	-0.008	0.004
TCRBV051_8	-0.023	-0.014	-0.006	-0.025	0.007
TCRBV051_9	0.019	0.024	0.037	0.025	-0.007
TCRBV051_10	-0.025	0.001	-0.008	0.010	-0.011
TCRBV051_11	0.009	0.008	0.012	-0.012	0.021
TCRBV051_12	-0.014	-0.014	-0.011	0.012	0.010
TCRBV051_13	-0.000	0.001	-0.002	-0.006	0.010
TCRBV052_6	-0.000	-0.000	0.003	-0.015	0.002
TCRBV052_7	-0.007	0.014	0.008	-0.021	0.001
TCRBV052_8	-0.011	-0.011	0.012	-0.001	0.018
TCRBV052_9	0.007	-0.002	-0.009	0.024	-0.019
TCRBV052_10	-0.009	-0.019	0.009	0.005	0.015
TCRBV052_11	0.018	0.006	0.009	0.008	0.013
TCRBV052_12	0.003	0.001	-0.003	0.014	0.012
TCRBV052_13	-0.004	0.002	0.002	0.004	-0.001
TCRBV06_5	0.000	-0.001	0.002	0.002	0.000
TCRBV06_6	-0.007	-0.005	0.003	0.005	-0.003
TCRBV06_7	0.001	-0.004	0.019	0.016	-0.003
TCRBV06_8	-0.005	-0.008	0.011	-0.005	-0.016
TCRBV06_9	-0.021	0.002	0.006	0.005	-0.028
TCRBV06_10	0.016	0.026	-0.013	-0.020	0.006
TCRBV06_11	0.035	0.001	-0.016	-0.015	0.018
TCRBV06_12	0.000	-0.001	-0.015	0.007	0.025
TCRBV06_13	0.010	0.006	0.002	0.010	-0.001
TCRBV07_5	-0.000	-0.000	0.001	-0.001	-0.001
TCRBV07_6	0.003	0.016	-0.020	-0.007	0.004
TCRBV07_7	0.004	0.003	-0.017	-0.007	0.008
TCRBV07_8	-0.002	-0.013	-0.006	0.022	-0.014
TCRBV07_9	0.020	0.013	0.003	-0.028	-0.000
TCRBV07_10	-0.000	-0.003	0.013	0.007	0.017
TCRBV07_11	0.019	0.010	0.012	0.005	-0.013
TCRBV07_12	-0.010	-0.011	0.011	0.012	-0.000
TCRBV07_13	-0.004	-0.000	0.001	0.003	-0.000
TCRBV081_5	0.000	-0.003	-0.001	0.004	0.002
TCRBV081_6	0.007	-0.005	0.003	-0.006	0.012
TCRBV081_7	0.004	0.020	0.022	-0.021	0.009
TCRBV081_8	0.000	0.006	0.037	-0.009	0.011
TCRBV081_9	-0.007	0.014	0.003	0.016	-0.008
TCRBV081_10	-0.002	-0.019	-0.022	-0.008	0.028
TCRBV081_11	-0.001	-0.010	-0.009	0.004	-0.015
TCRBV081_12	-0.001	-0.003	-0.033	0.019	-0.039
TCRBV082_4	-0.005	0.002	0.010	0.007	0.011
TCRBV082_5	-0.001	0.011	-0.000	0.005	0.007
TCRBV082_6	-0.001	0.011	0.017	0.015	0.014
TCRBV082_7	-0.001	0.015	-0.005	0.016	0.002
TCRBV082_8	-0.002	-0.016	-0.005	-0.013	-0.001
TCRBV082_9	0.007	-0.011	-0.009	-0.017	-0.010
TCRBV082_10	-0.003	-0.009	-0.004	-0.011	-0.012
TCRBV082_11	0.005	-0.002	-0.003	-0.001	-0.010
TCRBV083_4	0.001	0.002	-0.001	0.000	-0.000
TCRBV083_5	-0.002	-0.002	-0.008	0.006	-0.010
TCRBV083_6	-0.007	0.001	-0.010	0.006	-0.006
TCRBV083_7	-0.006	0.002	-0.021	0.001	-0.008
TCRBV083_8	-0.005	0.004	-0.011	0.004	0.020
TCRBV083_9	0.001	-0.011	0.008	-0.008	-0.006
TCRBV083_10	0.010	0.008	0.009	-0.008	-0.008
TCRBV083_11	0.005	-0.009	0.019	0.002	0.002
TCRBV083_12	0.004	0.005	0.016	-0.003	0.016

FIGURE 114 (continuing)

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Preliminary Amendment  
REPLACEMENT SHEET  
175/218

10/519950

TCRBV09_5	-0.000	-0.004	-0.002	0.003	0.001
TCRBV09_6	-0.001	-0.002	0.004	-0.005	0.003
TCRBV09_7	-0.006	-0.005	0.018	0.012	-0.013
TCRBV09_8	-0.004	-0.008	-0.002	-0.011	-0.014
TCRBV09_9	-0.025	-0.014	0.026	0.021	-0.003
TCRBV09_10	-0.014	0.002	-0.027	0.012	0.029
TCRBV09_11	0.002	-0.026	0.002	0.011	0.001
TCRBV09_12	-0.017	0.014	-0.027	-0.023	0.017
TCRBV09_13	-0.005	0.010	-0.010	-0.008	-0.011
TCRBV09_14	-0.002	0.004	0.004	0.002	0.003
TCRBV09_15	-0.000	0.001	0.001	0.001	-0.002
TCRBV10_6	0.006	0.001	0.001	-0.009	0.013
TCRBV10_7	0.009	-0.010	0.005	0.006	0.012
TCRBV10_8	0.013	0.012	0.015	-0.002	0.015
TCRBV10_9	0.013	0.009	0.025	-0.015	-0.026
TCRBV10_10	0.008	-0.016	-0.006	-0.003	-0.005
TCRBV10_11	-0.035	0.005	-0.015	0.014	-0.010
TCRBV10_12	-0.013	-0.000	-0.024	0.010	0.002
TCRBV10_13	0.001	-0.000	-0.000	0.000	-0.000
TCRBV11_5	0.002	0.004	-0.003	0.003	0.003
TCRBV11_6	0.001	-0.002	0.002	0.005	0.007
TCRBV11_7	0.006	0.005	-0.005	0.018	-0.000
TCRBV11_8	0.013	-0.009	0.010	0.016	0.004
TCRBV11_9	0.002	0.019	0.001	-0.008	-0.010
TCRBV11_10	0.010	0.008	-0.004	-0.003	-0.002
TCRBV11_11	0.000	0.008	-0.001	-0.013	0.001
TCRBV11_12	-0.011	-0.015	-0.001	-0.009	0.003
TCRBV11_13	0.001	-0.002	-0.000	-0.004	-0.003
TCRBV11_14	0.004	-0.000	-0.002	0.000	-0.001
TCRBV11_15	0.001	-0.000	-0.001	0.000	-0.000
TCRBV12_4	0.001	0.002	-0.001	0.004	0.001
TCRBV12_5	0.011	0.008	-0.023	0.013	-0.003
TCRBV12_6	0.000	-0.005	-0.002	-0.016	0.027
TCRBV12_7	-0.007	-0.016	-0.008	-0.011	0.004
TCRBV12_8	-0.007	0.008	0.012	0.009	-0.008
TCRBV12_9	0.003	-0.003	0.016	0.007	-0.007
TCRBV12_10	-0.002	0.004	-0.002	0.004	-0.016
TCRBV12_11	0.001	-0.000	0.009	-0.003	-0.004
TCRBV12_12	-0.001	0.001	-0.000	-0.006	0.005
TCRBV13_5	0.003	-0.001	-0.001	-0.002	-0.002
TCRBV13_6	-0.009	0.004	-0.008	0.005	-0.019
TCRBV13_7	0.027	0.002	-0.010	0.010	0.014
TCRBV13_8	-0.004	-0.015	0.022	0.015	-0.009
TCRBV13_9	-0.011	0.026	0.012	0.010	0.024
TCRBV13_10	-0.001	-0.006	0.002	-0.021	-0.010
TCRBV13_11	-0.003	-0.013	-0.012	-0.014	-0.013
TCRBV13_12	0.000	0.004	-0.007	-0.008	0.009
TCRBV13_13	-0.002	-0.001	0.003	0.006	0.007
TCRBV14_5	0.001	-0.004	-0.001	0.001	-0.000
TCRBV14_6	0.001	-0.003	0.002	0.002	-0.002
TCRBV14_7	0.011	0.004	0.004	-0.005	0.007
TCRBV14_8	-0.010	0.014	0.006	0.000	-0.007
TCRBV14_9	0.010	0.016	-0.013	0.003	0.003
TCRBV14_10	-0.021	-0.002	-0.012	-0.007	-0.000
TCRBV14_11	0.008	-0.025	0.012	0.007	-0.002
TCRBV14_12	0.001	-0.000	0.003	-0.000	0.001
TCRBV14_13	0.001	0.000	-0.001	-0.000	-0.001
TCRBV15_4	-0.000	-0.002	0.000	-0.005	-0.001
TCRBV15_5	-0.007	0.017	-0.005	0.010	0.007
TCRBV15_6	0.002	0.001	-0.004	0.009	0.003
TCRBV15_7	0.026	-0.019	-0.019	0.003	0.008
TCRBV15_8	0.019	0.012	-0.002	-0.007	-0.021
TCRBV15_9	0.007	0.003	-0.000	0.018	-0.009
TCRBV15_10	-0.011	0.008	0.016	-0.020	0.015

FIGURE 114 (continuing)

OBLON, SPIVAK, ET AL.  
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SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
176/218

10/519950

TCRBV15_11	-0.005	-0.005	0.012	-0.004	-0.001
TCRBV15_12	-0.001	-0.000	-0.000	0.002	-0.002
TCRBV16_5	0.000	0.003	0.003	-0.004	0.001
TCRBV16_6	0.005	0.026	-0.007	0.001	-0.003
TCRBV16_7	0.021	0.004	0.013	0.006	-0.009
TCRBV16_8	0.020	-0.036	-0.003	-0.010	0.011
TCRBV16_9	-0.016	0.001	0.017	-0.010	0.025
TCRBV16_10	0.001	0.009	0.007	0.004	-0.015
TCRBV16_11	-0.003	0.002	0.012	0.036	0.020
TCRBV16_12	-0.007	-0.003	-0.018	-0.004	0.009
TCRBV16_13	0.005	0.002	0.005	0.004	0.002
TCRBV18_3	-0.000	-0.000	-0.000	0.000	-0.000
TCRBV18_4	-0.008	0.003	0.007	-0.016	-0.002
TCRBV18_5	-0.020	-0.011	0.009	-0.012	0.010
TCRBV18_6	-0.025	0.017	0.016	-0.024	-0.004
TCRBV18_7	-0.004	-0.032	-0.000	-0.013	-0.017
TCRBV18_8	-0.023	0.032	-0.024	0.030	0.000
TCRBV18_9	-0.017	-0.006	0.003	0.016	0.037
TCRBV18_10	0.001	-0.003	0.017	0.010	-0.005
TCRBV18_11	0.004	-0.008	0.007	-0.000	-0.007
TCRBV18_12	0.002	0.001	0.004	0.000	0.003
TCRBV18_13	0.000	-0.001	0.000	0.002	0.001
TCRBV20_5	0.006	0.001	-0.001	0.001	0.004
TCRBV20_6	0.011	-0.004	-0.017	-0.022	0.023
TCRBV20_7	0.012	0.002	0.003	-0.001	0.017
TCRBV20_8	-0.001	0.007	0.016	0.013	0.023
TCRBV20_9	0.006	0.001	-0.018	0.035	0.005
TCRBV20_10	0.004	-0.003	0.006	0.003	-0.075
TCRBV20_11	-0.011	0.003	0.018	-0.009	-0.004
TCRBV20_12	0.002	-0.009	0.006	-0.010	0.007
TCRBV20_13	0.001	0.020	-0.014	-0.000	-0.002
TCRBV20_14	-0.000	-0.001	0.000	-0.004	-0.001
	31	32	33	34	35
TCRBV01_6	-0.001	0.003	0.000	0.004	0.001
TCRBV01_7	0.021	0.004	0.008	0.007	0.002
TCRBV01_8	0.023	-0.027	0.014	-0.033	0.003
TCRBV01_9	0.030	0.049	0.013	0.015	0.006
TCRBV01_10	-0.009	0.000	-0.003	-0.011	-0.001
TCRBV01_11	-0.039	-0.031	-0.025	0.018	-0.014
TCRBV01_12	-0.014	0.014	-0.012	-0.005	-0.004
TCRBV01_13	-0.005	-0.005	-0.010	-0.007	-0.003
TCRBV01_14	0.000	-0.000	0.000	0.000	-0.001
TCRBV02_6	0.006	0.014	-0.002	0.010	0.014
TCRBV02_7	-0.019	0.000	-0.001	-0.003	0.015
TCRBV02_8	0.012	-0.013	0.009	-0.006	0.008
TCRBV02_9	0.003	-0.021	-0.003	0.051	0.015
TCRBV02_10	0.004	0.008	0.022	0.017	-0.007
TCRBV02_11	0.003	0.002	0.011	0.007	-0.015
TCRBV02_12	-0.019	-0.007	0.020	-0.012	-0.004
TCRBV02_13	-0.001	-0.007	0.013	-0.001	0.005
TCRBV03_4	0.000	0.001	-0.002	-0.002	-0.001
TCRBV03_5	-0.001	0.001	-0.001	0.003	0.001
TCRBV03_6	0.023	-0.012	-0.012	-0.016	0.007
TCRBV03_7	0.003	-0.007	0.018	0.005	-0.017
TCRBV03_8	0.005	-0.023	0.016	-0.011	0.009
TCRBV03_9	-0.003	0.006	0.001	-0.022	0.016
TCRBV03_10	-0.031	0.013	-0.011	0.020	-0.007
TCRBV03_11	0.005	0.009	0.002	0.035	-0.032
TCRBV03_12	-0.000	0.021	-0.013	0.002	0.020
TCRBV03_13	0.007	-0.002	-0.013	-0.026	-0.006
TCRBV04_6	-0.003	0.002	-0.001	-0.002	0.000
TCRBV04_7	-0.006	0.004	-0.009	-0.001	-0.010

FIGURE 114 (continuing)

OBLON, SPIVAK, ET AL.  
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Preliminary Amendment  
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177/218

10/519950

TCRBV04_8	0.020	-0.023	-0.003	0.020	0.014
TCRBV04_9	0.021	0.000	-0.030	0.005	0.015
TCRBV04_10	-0.030	-0.019	0.008	0.017	0.027
TCRBV04_11	-0.021	0.005	0.018	-0.039	0.030
TCRBV04_12	0.016	0.012	0.054	0.013	0.014
TCRBV04_13	0.000	0.031	-0.035	-0.010	-0.044
TCRBV04_14	-0.003	-0.017	-0.006	-0.005	-0.037
TCRBV04_15	0.005	0.006	0.005	0.001	-0.010
TCRBV051_5	-0.012	-0.019	0.001	-0.001	-0.001
TCRBV051_6	0.008	0.004	-0.011	0.014	0.014
TCRBV051_7	-0.016	-0.016	0.010	-0.002	0.016
TCRBV051_8	0.007	-0.010	-0.002	0.010	0.007
TCRBV051_9	0.005	0.038	0.035	-0.012	0.031
TCRBV051_10	0.011	-0.011	-0.024	-0.008	0.013
TCRBV051_11	0.003	0.000	-0.002	0.031	-0.003
TCRBV051_12	-0.001	-0.028	-0.007	0.026	-0.043
TCRBV051_13	-0.005	-0.004	0.007	-0.001	0.001
TCRBV052_6	-0.002	-0.004	0.002	0.012	-0.011
TCRBV052_7	-0.014	0.004	0.007	0.016	-0.004
TCRBV052_8	0.009	-0.007	-0.003	0.005	0.010
TCRBV052_9	-0.016	-0.010	0.009	0.020	0.021
TCRBV052_10	0.030	-0.039	-0.004	0.002	-0.006
TCRBV052_11	-0.011	0.011	-0.002	0.006	0.020
TCRBV052_12	0.007	-0.003	-0.001	-0.002	0.006
TCRBV052_13	-0.003	0.002	-0.002	-0.002	-0.001
TCRBV06_5	0.004	-0.001	0.001	-0.000	-0.006
TCRBV06_6	-0.006	0.007	0.007	-0.008	-0.009
TCRBV06_7	-0.014	0.019	-0.004	-0.012	-0.002
TCRBV06_8	-0.024	0.031	-0.030	-0.009	-0.001
TCRBV06_9	-0.009	0.001	-0.004	-0.004	-0.037
TCRBV06_10	0.036	-0.027	0.011	0.013	-0.003
TCRBV06_11	0.005	-0.031	-0.007	0.006	0.032
TCRBV06_12	0.014	0.015	0.010	-0.005	0.001
TCRBV06_13	0.002	-0.006	0.000	0.007	0.015
TCRBV07_5	-0.000	0.000	0.001	0.000	-0.002
TCRBV07_6	0.009	-0.008	-0.002	-0.022	-0.002
TCRBV07_7	0.019	0.004	0.019	-0.016	-0.018
TCRBV07_8	0.012	0.001	-0.026	0.005	-0.003
TCRBV07_9	-0.005	0.002	-0.034	-0.008	-0.016
TCRBV07_10	-0.015	-0.003	0.014	-0.003	0.006
TCRBV07_11	-0.007	-0.006	0.002	0.010	0.005
TCRBV07_12	-0.004	0.014	0.010	0.015	0.018
TCRBV07_13	-0.003	0.002	0.001	0.007	0.002
TCRBV081_5	-0.001	-0.006	0.003	-0.001	0.001
TCRBV081_6	-0.018	-0.003	-0.007	0.018	0.005
TCRBV081_7	0.002	-0.018	-0.023	-0.002	0.023
TCRBV081_8	0.003	0.007	-0.010	0.011	-0.013
TCRBV081_9	-0.004	-0.002	0.015	-0.013	0.007
TCRBV081_10	0.017	0.031	0.017	0.004	-0.042
TCRBV081_11	0.004	-0.001	0.000	0.013	0.006
TCRBV081_12	-0.003	-0.008	0.004	-0.030	0.011
TCRBV082_4	-0.003	-0.001	0.002	-0.005	-0.001
TCRBV082_5	0.010	0.008	0.013	-0.003	0.002
TCRBV082_6	0.008	-0.006	0.004	-0.009	-0.019
TCRBV082_7	-0.004	0.026	-0.001	-0.000	0.037
TCRBV082_8	-0.011	-0.041	-0.013	-0.038	-0.014
TCRBV082_9	0.006	0.001	-0.010	0.017	0.009
TCRBV082_10	-0.001	-0.005	-0.001	0.023	-0.015
TCRBV082_11	-0.004	0.018	0.006	0.015	-0.000
TCRBV083_4	0.000	0.000	-0.001	-0.002	-0.001
TCRBV083_5	0.008	0.002	0.011	-0.002	0.012
TCRBV083_6	0.005	-0.002	-0.011	0.006	-0.005
TCRBV083_7	0.009	0.000	-0.003	-0.044	-0.005

FIGURE 115

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
178/218

10/519950

TCRBV083_8	0.004	-0.035	-0.002	-0.036	-0.000
TCRBV083_9	-0.016	0.012	-0.028	0.005	-0.008
TCRBV083_10	-0.015	0.023	0.003	0.031	0.008
TCRBV083_11	-0.002	0.002	0.017	0.022	0.005
TCRBV083_12	0.008	-0.002	0.013	0.019	-0.004
TCRBV09_5	0.004	-0.001	0.005	-0.002	0.002
TCRBV09_6	0.006	0.010	0.003	-0.002	0.018
TCRBV09_7	0.014	-0.021	-0.041	0.034	0.003
TCRBV09_8	-0.027	-0.005	0.017	-0.046	0.021
TCRBV09_9	-0.011	0.011	-0.004	0.005	0.006
TCRBV09_10	-0.014	-0.016	0.007	-0.007	-0.001
TCRBV09_11	-0.006	-0.006	0.033	-0.001	-0.031
TCRBV09_12	0.001	0.012	0.003	0.026	0.040
TCRBV09_13	0.006	0.008	0.007	-0.000	0.026
TCRBV09_14	0.003	0.005	0.008	0.007	0.019
TCRBV09_15	0.003	0.001	-0.002	0.003	0.006
TCRBV10_6	-0.004	0.001	-0.001	0.006	0.019
TCRBV10_7	-0.006	0.019	-0.016	-0.015	-0.000
TCRBV10_8	0.017	0.007	-0.007	-0.033	-0.006
TCRBV10_9	-0.001	0.009	0.013	-0.000	0.014
TCRBV10_10	-0.004	-0.028	-0.014	0.007	-0.006
TCRBV10_11	-0.006	-0.001	0.016	0.037	-0.025
TCRBV10_12	0.004	-0.008	0.010	-0.001	0.004
TCRBV10_13	0.000	0.000	-0.001	-0.001	-0.000
TCRBV11_5	-0.003	-0.006	0.000	0.012	0.007
TCRBV11_6	0.000	0.013	-0.012	0.027	0.010
TCRBV11_7	-0.007	-0.007	-0.004	-0.001	-0.001
TCRBV11_8	0.022	-0.006	-0.018	-0.011	-0.023
TCRBV11_9	0.025	0.007	-0.020	-0.002	0.007
TCRBV11_10	-0.003	0.009	0.002	-0.023	-0.026
TCRBV11_11	-0.010	0.004	0.012	-0.008	0.004
TCRBV11_12	-0.013	-0.010	0.022	0.002	0.006
TCRBV11_13	-0.005	0.001	0.008	-0.002	0.008
TCRBV11_14	0.001	0.001	-0.004	-0.004	-0.002
TCRBV11_15	0.000	0.001	-0.001	-0.001	-0.001
TCRBV12_4	-0.003	-0.008	-0.001	0.002	-0.006
TCRBV12_5	0.005	0.011	0.006	-0.004	0.011
TCRBV12_6	-0.020	0.021	0.026	-0.006	-0.023
TCRBV12_7	-0.004	0.029	0.008	0.024	-0.021
TCRBV12_8	0.034	-0.001	-0.009	0.005	0.002
TCRBV12_9	-0.014	-0.028	-0.014	0.014	-0.009
TCRBV12_10	0.012	0.006	-0.015	-0.009	0.026
TCRBV12_11	-0.016	-0.030	-0.002	-0.017	0.016
TCRBV12_12	0.006	0.001	0.001	-0.008	0.003
TCRBV13_5	0.001	0.006	-0.001	0.003	0.004
TCRBV13_6	-0.030	0.001	0.002	0.022	0.005
TCRBV13_7	-0.007	-0.006	0.010	0.022	0.012
TCRBV13_8	-0.003	-0.004	0.012	0.006	-0.003
TCRBV13_9	-0.003	-0.047	0.011	-0.002	0.008
TCRBV13_10	0.020	0.001	0.002	-0.027	-0.018
TCRBV13_11	0.016	0.029	-0.020	-0.005	0.013
TCRBV13_12	0.005	0.011	-0.025	-0.006	-0.016
TCRBV13_13	0.001	0.009	0.009	-0.016	-0.005
TCRBV14_5	-0.000	0.003	0.001	0.002	0.004
TCRBV14_6	0.003	0.001	0.010	-0.002	-0.003
TCRBV14_7	-0.002	-0.007	-0.007	0.011	0.010
TCRBV14_8	0.001	0.004	-0.014	0.009	-0.011
TCRBV14_9	-0.009	-0.020	-0.001	0.008	-0.021
TCRBV14_10	0.009	0.019	-0.007	-0.010	-0.008
TCRBV14_11	0.001	0.000	0.010	-0.022	0.032
TCRBV14_12	-0.003	-0.001	0.009	0.007	-0.002
TCRBV14_13	0.000	0.001	-0.001	-0.002	-0.001
TCRBV15_4	-0.001	-0.005	0.015	0.001	0.006
TCRBV15_5	0.007	0.002	-0.019	-0.020	-0.010

FIGURE 115 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
179/218

10/519950

TCRBV15_6	0.004	0.004	0.020	-0.003	0.004
TCRBV15_7	-0.006	0.009	0.015	0.005	0.010
TCRBV15_8	0.023	-0.022	0.023	0.020	-0.039
TCRBV15_9	-0.033	0.013	-0.019	0.002	0.013
TCRBV15_10	0.005	0.010	-0.036	-0.021	-0.001
TCRBV15_11	0.007	0.001	-0.014	0.005	0.005
TCRBV15_12	0.001	-0.005	0.001	-0.000	0.003
TCRBV16_5	0.001	0.004	0.003	0.001	-0.009
TCRBV16_6	-0.009	-0.012	0.002	0.023	-0.018
TCRBV16_7	0.022	0.003	0.037	0.021	-0.036
TCRBV16_8	-0.032	-0.013	0.036	-0.020	-0.009
TCRBV16_9	0.018	-0.011	-0.041	-0.011	0.054
TCRBV16_10	0.000	-0.011	0.006	0.020	0.000
TCRBV16_11	0.009	0.001	-0.031	0.000	-0.009
TCRBV16_12	-0.006	0.003	-0.020	0.009	0.052
TCRBV16_13	0.004	-0.003	-0.001	0.002	0.000
TCRBV18_3	0.001	-0.001	-0.002	0.001	0.001
TCRBV18_4	0.003	0.008	0.006	0.002	-0.015
TCRBV18_5	-0.001	0.012	0.013	-0.007	0.036
TCRBV18_6	-0.023	-0.008	0.018	-0.004	0.009
TCRBV18_7	0.062	-0.022	0.010	0.035	0.045
TCRBV18_8	0.001	-0.015	0.030	0.008	0.018
TCRBV18_9	0.013	0.013	0.021	-0.018	0.012
TCRBV18_10	0.005	0.015	0.015	-0.003	0.013
TCRBV18_11	0.007	0.022	-0.017	-0.008	0.001
TCRBV18_12	-0.000	-0.001	-0.002	0.002	-0.004
TCRBV18_13	-0.003	-0.004	-0.001	0.000	-0.000
TCRBV20_5	-0.004	-0.004	0.001	0.008	0.010
TCRBV20_6	-0.022	0.009	-0.010	0.039	0.010
TCRBV20_7	-0.013	0.003	-0.001	0.004	0.007
TCRBV20_8	0.007	0.009	-0.008	-0.014	-0.003
TCRBV20_9	-0.005	0.007	-0.036	0.018	-0.011
TCRBV20_10	-0.014	-0.020	0.003	-0.032	0.005
TCRBV20_11	0.020	0.004	0.016	-0.013	-0.023
TCRBV20_12	0.029	0.005	0.007	-0.008	-0.002
TCRBV20_13	0.010	-0.002	0.001	-0.013	-0.009
TCRBV20_14	-0.001	-0.004	0.012	0.000	0.005
	36	37	38	39	40
TCRBV01_6	-0.004	-0.000	-0.003	-0.001	0.003
TCRBV01_7	-0.001	-0.010	0.004	0.017	0.013
TCRBV01_8	-0.031	0.010	-0.008	0.014	0.030
TCRBV01_9	0.001	-0.015	-0.006	0.056	0.019
TCRBV01_10	-0.006	-0.018	0.010	-0.060	0.027
TCRBV01_11	0.036	0.023	-0.014	-0.019	-0.043
TCRBV01_12	0.033	0.003	0.020	-0.017	-0.026
TCRBV01_13	0.007	0.006	0.006	-0.006	-0.021
TCRBV01_14	0.001	-0.001	-0.000	0.001	0.001
TCRBV02_6	0.001	0.003	0.006	0.021	-0.002
TCRBV02_7	0.010	-0.015	0.011	0.015	-0.007
TCRBV02_8	0.004	-0.023	0.003	-0.029	-0.021
TCRBV02_9	-0.001	0.002	0.008	-0.009	0.013
TCRBV02_10	-0.003	-0.021	0.011	0.007	0.002
TCRBV02_11	0.007	-0.024	-0.035	0.025	0.028
TCRBV02_12	-0.006	0.010	0.006	0.017	-0.004
TCRBV02_13	-0.012	0.003	0.001	-0.002	0.004
TCRBV03_4	-0.000	0.002	-0.000	-0.001	-0.000
TCRBV03_5	-0.000	-0.002	-0.001	0.002	0.000
TCRBV03_6	0.014	0.026	-0.002	-0.015	-0.008
TCRBV03_7	0.009	0.007	-0.003	-0.036	-0.015
TCRBV03_8	0.002	0.003	-0.025	0.001	-0.038
TCRBV03_9	-0.020	-0.012	-0.006	0.036	-0.035
TCRBV03_10	0.017	0.017	0.022	-0.018	0.048

FIGURE 115 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
180/218

10/519950

TCRBV03_11	-0.026	-0.021	0.020	0.017	0.006
TCRBV03_12	0.017	-0.022	0.012	0.010	0.035
TCRBV03_13	0.023	0.000	-0.008	-0.009	0.010
TCRBV04_6	-0.001	-0.001	0.001	-0.003	0.002
TCRBV04_7	0.009	-0.008	0.018	-0.014	0.002
TCRBV04_8	-0.022	-0.022	0.007	0.011	-0.001
TCRBV04_9	-0.048	0.000	-0.015	0.012	0.036
TCRBV04_10	0.017	-0.026	-0.041	-0.014	0.023
TCRBV04_11	0.013	0.033	-0.018	-0.012	0.017
TCRBV04_12	0.033	-0.020	0.047	0.017	0.006
TCRBV04_13	0.006	-0.005	-0.008	0.010	-0.052
TCRBV04_14	-0.012	0.051	-0.001	-0.005	-0.003
TCRBV04_15	0.003	-0.001	0.010	-0.002	-0.030
TCRBV051_5	0.005	0.012	-0.015	0.007	-0.011
TCRBV051_6	0.012	0.031	-0.016	-0.015	0.029
TCRBV051_7	0.010	0.017	-0.020	0.036	0.006
TCRBV051_8	0.014	0.004	0.015	0.009	-0.023
TCRBV051_9	-0.037	-0.017	-0.047	0.000	-0.003
TCRBV051_10	-0.006	-0.025	0.048	0.015	0.005
TCRBV051_11	-0.035	-0.030	0.021	0.006	-0.045
TCRBV051_12	0.028	0.017	0.032	-0.001	-0.015
TCRBV051_13	0.005	-0.001	0.025	0.024	0.022
TCRBV052_6	0.019	0.019	0.022	0.026	0.027
TCRBV052_7	0.002	-0.010	-0.048	-0.009	-0.000
TCRBV052_8	0.001	-0.004	0.001	0.005	-0.021
TCRBV052_9	-0.011	0.034	0.025	0.017	-0.004
TCRBV052_10	0.007	-0.022	0.018	0.030	0.008
TCRBV052_11	-0.013	0.001	0.014	0.013	-0.039
TCRBV052_12	-0.003	-0.011	0.008	0.002	-0.007
TCRBV052_13	-0.005	0.001	0.003	-0.001	0.003
TCRBV06_5	0.004	-0.002	0.002	-0.007	0.001
TCRBV06_6	0.015	-0.016	0.003	-0.003	-0.005
TCRBV06_7	0.017	-0.017	-0.016	0.004	-0.019
TCRBV06_8	0.026	0.021	-0.016	0.001	0.001
TCRBV06_9	-0.024	0.016	0.007	0.001	0.002
TCRBV06_10	-0.008	0.002	0.035	0.008	-0.031
TCRBV06_11	-0.015	-0.004	-0.004	0.003	0.016
TCRBV06_12	0.021	-0.001	-0.014	-0.017	0.035
TCRBV06_13	0.002	-0.001	0.014	-0.005	0.004
TCRBV07_5	-0.001	0.003	-0.003	0.001	0.001
TCRBV07_6	0.012	0.011	0.000	0.007	-0.022
TCRBV07_7	-0.014	-0.019	0.007	0.010	-0.042
TCRBV07_8	0.021	0.042	0.007	-0.030	0.000
TCRBV07_9	-0.018	0.007	0.018	-0.024	0.022
TCRBV07_10	0.021	-0.023	0.002	0.020	0.017
TCRBV07_11	-0.007	-0.028	0.000	0.008	0.021
TCRBV07_12	0.023	0.012	-0.019	-0.010	0.004
TCRBV07_13	-0.001	-0.007	-0.003	0.003	0.002
TCRBV081_5	0.005	0.002	0.004	-0.015	-0.008
TCRBV081_6	0.010	-0.011	0.009	-0.014	-0.002
TCRBV081_7	-0.005	-0.015	-0.004	-0.015	0.003
TCRBV081_8	0.011	-0.000	0.015	0.016	0.033
TCRBV081_9	0.022	-0.000	-0.028	0.017	-0.019
TCRBV081_10	-0.041	0.019	-0.041	-0.023	0.034
TCRBV081_11	0.004	0.017	0.023	0.009	0.019
TCRBV081_12	-0.005	-0.011	0.022	0.025	-0.059
TCRBV082_4	0.008	-0.001	0.016	0.030	0.001
TCRBV082_5	0.002	0.014	0.016	-0.009	-0.007
TCRBV082_6	0.022	-0.015	0.004	0.001	-0.012
TCRBV082_7	-0.005	0.025	0.006	-0.023	0.014
TCRBV082_8	0.003	-0.035	-0.014	0.006	0.034
TCRBV082_9	-0.008	0.009	-0.016	-0.014	-0.027
TCRBV082_10	-0.018	-0.000	-0.015	0.005	-0.007

FIGURE 115 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET

181/218

10/519950

TCRBV082_11	-0.005	0.003	0.002	0.004	0.005
TCRBV083_4	0.002	-0.000	-0.001	-0.001	0.001
TCRBV083_5	0.023	0.013	0.002	-0.005	0.005
TCRBV083_6	0.005	0.017	-0.000	-0.002	0.012
TCRBV083_7	0.009	0.018	0.005	-0.024	0.000
TCRBV083_8	-0.019	-0.001	0.005	-0.003	-0.038
TCRBV083_9	-0.007	-0.034	0.000	0.040	0.026
TCRBV083_10	0.003	-0.012	-0.006	0.016	-0.008
TCRBV083_11	-0.021	-0.006	0.003	-0.015	0.003
TCRBV083_12	0.007	0.006	-0.009	-0.007	0.000
TCRBV09_5	0.001	0.001	0.009	-0.003	0.003
TCRBV09_6	0.010	0.000	-0.014	0.009	-0.007
TCRBV09_7	-0.014	0.011	-0.003	0.042	-0.025
TCRBV09_8	0.002	0.002	0.046	-0.001	-0.018
TCRBV09_9	0.005	-0.036	0.045	-0.019	-0.025
TCRBV09_10	-0.057	0.037	-0.058	0.047	0.001
TCRBV09_11	0.028	0.008	-0.033	-0.016	0.013
TCRBV09_12	-0.001	-0.008	0.043	-0.064	0.014
TCRBV09_13	-0.007	-0.002	0.014	-0.016	-0.021
TCRBV09_14	-0.001	-0.004	-0.012	0.006	0.007
TCRBV09_15	-0.003	0.005	-0.001	-0.004	-0.001
TCRBV10_6	0.019	0.001	0.016	0.030	0.009
TCRBV10_7	-0.021	0.017	0.026	0.033	-0.016
TCRBV10_8	0.005	-0.014	-0.011	-0.003	-0.001
TCRBV10_9	-0.014	0.031	0.006	-0.031	-0.009
TCRBV10_10	0.013	-0.009	-0.009	-0.021	0.056
TCRBV10_11	0.001	-0.005	-0.017	0.004	-0.036
TCRBV10_12	-0.004	-0.021	-0.011	-0.011	-0.003
TCRBV10_13	-0.000	0.001	-0.000	-0.001	-0.000
TCRBV11_5	0.006	-0.004	0.004	-0.000	-0.006
TCRBV11_6	0.018	-0.000	-0.007	0.011	-0.024
TCRBV11_7	0.024	-0.021	-0.020	0.017	-0.002
TCRBV11_8	0.035	-0.038	-0.016	-0.029	0.015
TCRBV11_9	0.013	0.003	-0.021	-0.001	-0.015
TCRBV11_10	0.002	0.019	0.024	-0.002	0.008
TCRBV11_11	-0.014	0.005	0.008	0.003	0.012
TCRBV11_12	-0.029	0.024	0.041	-0.007	0.018
TCRBV11_13	-0.017	0.003	-0.002	-0.004	-0.002
TCRBV11_14	-0.000	0.004	-0.001	-0.003	-0.001
TCRBV11_15	-0.000	0.001	-0.000	-0.001	-0.000
TCRBV12_4	-0.007	0.003	-0.006	0.017	-0.015
TCRBV12_5	0.002	-0.016	0.008	0.001	-0.010
TCRBV12_6	-0.004	0.008	0.023	-0.010	-0.008
TCRBV12_7	-0.006	0.025	0.017	0.001	0.021
TCRBV12_8	0.022	0.034	0.006	0.003	0.032
TCRBV12_9	-0.006	-0.035	-0.012	-0.007	-0.002
TCRBV12_10	-0.010	-0.023	0.027	-0.023	0.026
TCRBV12_11	0.013	0.006	-0.040	0.009	-0.021
TCRBV12_12	-0.003	-0.003	-0.022	0.010	-0.022
TCRBV13_5	0.007	0.003	-0.001	-0.002	-0.004
TCRBV13_6	0.018	0.014	-0.013	0.017	0.006
TCRBV13_7	0.050	0.006	-0.008	0.006	-0.018
TCRBV13_8	-0.048	-0.034	0.013	-0.070	-0.027
TCRBV13_9	-0.023	0.026	0.021	0.038	0.068
TCRBV13_10	0.000	0.004	0.006	0.007	0.011
TCRBV13_11	-0.001	-0.009	-0.024	-0.002	-0.015
TCRBV13_12	0.006	-0.007	-0.008	0.002	0.006
TCRBV13_13	-0.009	-0.002	0.015	0.005	-0.025
TCRBV14_5	0.000	-0.001	-0.003	-0.003	-0.006
TCRBV14_6	0.010	-0.005	0.005	-0.010	0.004
TCRBV14_7	0.004	0.001	-0.002	0.013	-0.013
TCRBV14_8	-0.012	-0.000	-0.003	-0.010	0.044
TCRBV14_9	-0.004	0.021	0.014	-0.048	-0.039
TCRBV14_10	0.006	-0.037	-0.023	0.047	0.014

FIGURE 116

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
182/218

10/519950

TCRBV14_11	0.001	0.018	0.014	0.016	-0.011
TCRBV14_12	-0.005	0.001	0.000	-0.003	0.007
TCRBV14_13	0.000	0.001	-0.001	-0.002	0.000
TCRBV15_4	-0.011	-0.000	0.000	-0.001	0.001
TCRBV15_5	0.007	-0.008	0.011	0.006	-0.001
TCRBV15_6	-0.029	-0.011	-0.011	-0.029	-0.000
TCRBV15_7	0.014	0.039	-0.007	-0.011	0.010
TCRBV15_8	0.022	-0.048	-0.005	-0.045	0.019
TCRBV15_9	-0.025	0.003	-0.003	0.014	-0.034
TCRBV15_10	0.031	0.022	0.023	0.039	0.012
TCRBV15_11	0.026	0.007	0.002	0.010	-0.003
TCRBV15_12	0.002	-0.007	0.000	0.003	-0.001
TCRBV16_5	0.002	0.002	0.006	0.006	-0.012
TCRBV16_6	0.015	0.008	-0.025	-0.007	-0.001
TCRBV16_7	0.029	0.025	0.057	0.062	-0.014
TCRBV16_8	0.007	-0.042	0.011	0.037	0.013
TCRBV16_9	0.001	0.005	0.016	-0.027	0.007
TCRBV16_10	-0.028	0.045	0.007	0.007	-0.008
TCRBV16_11	-0.011	-0.021	-0.039	0.001	-0.011
TCRBV16_12	0.021	-0.019	0.014	-0.009	-0.010
TCRBV16_13	-0.002	0.002	0.005	-0.001	0.004
TCRBV18_3	-0.001	0.001	0.000	0.003	-0.000
TCRBV18_4	0.009	-0.002	-0.011	0.000	0.007
TCRBV18_5	0.002	0.003	-0.019	0.004	-0.008
TCRBV18_6	-0.018	0.008	0.014	-0.006	0.009
TCRBV18_7	0.020	0.031	-0.046	0.015	-0.029
TCRBV18_8	0.030	-0.024	-0.019	0.010	0.007
TCRBV18_9	0.004	-0.018	-0.014	-0.013	0.050
TCRBV18_10	0.004	0.011	0.013	-0.027	-0.014
TCRBV18_11	0.011	0.001	0.013	0.003	0.001
TCRBV18_12	-0.002	-0.001	0.001	-0.001	0.002
TCRBV18_13	0.003	0.001	-0.001	-0.009	-0.007
TCRBV20_5	0.002	-0.006	0.002	-0.007	-0.005
TCRBV20_6	0.012	-0.016	0.004	0.001	0.003
TCRBV20_7	0.019	0.009	-0.029	-0.002	-0.026
TCRBV20_8	0.009	0.007	0.004	0.018	-0.008
TCRBV20_9	-0.050	-0.002	0.004	0.012	0.017
TCRBV20_10	0.015	-0.010	0.020	0.013	0.049
TCRBV20_11	0.014	0.017	-0.041	-0.023	-0.011
TCRBV20_12	0.008	-0.000	0.031	-0.038	-0.018
TCRBV20_13	0.018	0.000	0.015	0.012	0.001
TCRBV20_14	-0.009	-0.000	0.000	-0.001	0.001
41 42 43 44 45					
TCRBV01_6	-0.001	0.004	-0.005	0.001	0.003
TCRBV01_7	0.017	-0.018	-0.033	-0.012	0.001
TCRBV01_8	-0.011	-0.048	-0.017	0.053	-0.006
TCRBV01_9	0.018	0.015	0.014	-0.056	-0.022
TCRBV01_10	-0.020	0.017	0.031	0.027	-0.036
TCRBV01_11	0.026	0.007	-0.003	-0.046	-0.010
TCRBV01_12	0.001	0.019	-0.000	0.008	0.052
TCRBV01_13	-0.000	0.009	0.009	0.005	0.011
TCRBV01_14	0.001	0.000	0.001	-0.001	-0.001
TCRBV02_6	0.014	-0.027	0.021	0.000	-0.001
TCRBV02_7	-0.003	-0.017	0.004	-0.033	0.004
TCRBV02_8	0.009	0.046	-0.043	-0.012	-0.026
TCRBV02_9	0.002	-0.002	-0.002	0.024	0.013
TCRBV02_10	-0.003	-0.024	-0.003	0.001	0.003
TCRBV02_11	-0.000	-0.012	0.024	-0.014	-0.043
TCRBV02_12	0.025	0.010	-0.047	0.002	-0.010
TCRBV02_13	0.001	-0.012	-0.002	0.000	-0.014
TCRBV03_4	-0.001	0.001	0.001	0.001	0.002
TCRBV03_5	-0.002	0.002	0.001	-0.000	0.003

FIGURE 116 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
183/218

10/519950

TCRBV03_6	0.014	-0.012	0.039	0.026	0.006
TCRBV03_7	0.024	-0.030	0.049	-0.043	0.008
TCRBV03_8	0.002	0.018	0.017	0.024	-0.006
TCRBV03_9	-0.025	-0.022	-0.020	0.003	-0.022
TCRBV03_10	0.020	0.009	-0.009	-0.006	0.009
TCRBV03_11	-0.019	0.040	-0.041	0.008	0.027
TCRBV03_12	-0.008	0.026	-0.020	-0.001	0.007
TCRBV03_13	0.025	-0.026	-0.019	-0.031	-0.044
TCRBV04_6	0.003	0.004	0.003	0.001	-0.010
TCRBV04_7	0.010	0.005	0.037	0.016	-0.003
TCRBV04_8	-0.005	0.035	-0.021	-0.012	0.013
TCRBV04_9	-0.001	0.037	0.004	0.056	-0.074
TCRBV04_10	-0.021	-0.002	-0.022	-0.022	0.084
TCRBV04_11	0.003	-0.059	0.028	-0.027	0.010
TCRBV04_12	-0.006	-0.010	-0.005	-0.032	0.004
TCRBV04_13	0.015	-0.010	-0.054	-0.023	-0.024
TCRBV04_14	0.005	-0.006	0.030	0.033	0.031
TCRBV04_15	-0.005	0.006	0.001	0.010	-0.031
TCRBV051_5	-0.018	0.012	0.025	-0.018	0.029
TCRBV051_6	-0.024	0.020	0.047	0.027	0.026
TCRBV051_7	-0.052	0.009	-0.015	0.048	-0.031
TCRBV051_8	-0.020	-0.021	0.007	-0.028	0.005
TCRBV051_9	0.006	-0.038	-0.037	0.012	-0.003
TCRBV051_10	0.051	0.009	0.007	-0.006	0.047
TCRBV051_11	0.063	-0.022	0.011	0.046	-0.009
TCRBV051_12	-0.053	0.025	-0.052	-0.038	-0.087
TCRBV051_13	-0.011	0.014	0.051	-0.031	0.021
TCRBV052_6	-0.006	-0.026	0.020	0.022	0.025
TCRBV052_7	-0.019	-0.008	-0.002	0.032	-0.048
TCRBV052_8	0.003	-0.030	0.023	0.019	-0.003
TCRBV052_9	0.015	0.040	0.027	-0.013	-0.046
TCRBV052_10	-0.052	-0.002	-0.030	-0.015	0.029
TCRBV052_11	0.015	0.008	-0.014	-0.020	0.036
TCRBV052_12	-0.016	0.014	0.008	-0.015	0.022
TCRBV052_13	0.001	0.011	0.009	0.001	-0.015
TCRBV06_5	0.015	-0.016	0.009	-0.006	0.003
TCRBV06_6	0.008	-0.010	-0.009	0.002	0.005
TCRBV06_7	0.017	0.004	-0.010	-0.014	-0.001
TCRBV06_8	0.003	0.013	-0.046	0.029	-0.005
TCRBV06_9	-0.015	-0.043	-0.046	-0.028	0.016
TCRBV06_10	0.003	-0.014	0.075	0.005	-0.051
TCRBV06_11	-0.010	0.040	0.039	-0.028	0.036
TCRBV06_12	0.008	0.026	-0.024	0.021	-0.003
TCRBV06_13	0.002	0.006	0.008	-0.001	-0.009
TCRBV07_5	-0.006	-0.007	0.002	0.008	0.010
TCRBV07_6	0.038	-0.007	-0.009	0.010	-0.023
TCRBV07_7	0.009	-0.001	-0.008	0.039	-0.001
TCRBV07_8	-0.010	-0.028	0.002	-0.028	0.030
TCRBV07_9	-0.004	-0.005	-0.011	0.005	-0.005
TCRBV07_10	0.008	0.009	0.011	-0.033	0.019
TCRBV07_11	0.000	0.027	0.017	-0.033	-0.005
TCRBV07_12	-0.006	0.016	-0.005	0.013	-0.035
TCRBV07_13	0.000	0.000	-0.002	-0.002	0.001
TCRBV081_5	-0.009	0.004	0.002	0.007	0.015
TCRBV081_6	-0.027	0.010	0.024	0.027	-0.009
TCRBV081_7	0.013	-0.027	-0.018	-0.031	-0.000
TCRBV081_8	-0.047	-0.002	-0.028	-0.064	-0.036
TCRBV081_9	0.036	0.013	0.010	0.047	-0.008
TCRBV081_10	0.010	0.011	-0.002	-0.001	0.008
TCRBV081_11	0.021	-0.002	-0.001	-0.006	0.002
TCRBV081_12	0.002	-0.008	0.013	0.021	0.028
TCRBV082_4	0.010	-0.011	0.016	0.007	-0.013
TCRBV082_5	-0.002	0.005	-0.014	0.011	0.018
TCRBV082_6	-0.010	0.001	0.001	-0.007	-0.020

FIGURE 116 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
184/218

10/519950

TCRBV082_7	-0.003	0.000	-0.003	-0.078	-0.037
TCRBV082_8	-0.006	0.001	0.030	-0.005	-0.081
TCRBV082_9	-0.009	0.005	-0.040	0.042	0.050
TCRBV082_10	0.010	0.015	0.016	0.035	0.022
TCRBV082_11	0.010	-0.016	-0.007	-0.006	0.060
TCRBV083_4	0.002	-0.002	-0.001	-0.003	-0.003
TCRBV083_5	0.014	0.044	-0.015	0.011	0.015
TCRBV083_6	-0.013	-0.005	-0.013	0.001	0.001
TCRBV083_7	-0.004	0.006	-0.034	0.013	-0.022
TCRBV083_8	-0.010	-0.036	0.033	-0.016	0.003
TCRBV083_9	-0.025	-0.002	0.030	-0.028	0.000
TCRBV083_10	-0.001	-0.028	0.035	-0.013	-0.011
TCRBV083_11	-0.005	-0.002	-0.015	0.020	0.003
TCRBV083_12	0.040	0.025	-0.020	0.015	0.014
TCRBV09_5	0.002	0.001	0.002	0.004	-0.000
TCRBV09_6	0.010	0.012	-0.019	0.040	0.015
TCRBV09_7	0.044	-0.044	-0.042	-0.060	-0.051
TCRBV09_8	0.000	-0.005	-0.024	0.017	-0.003
TCRBV09_9	0.031	-0.015	0.017	0.049	0.005
TCRBV09_10	0.054	0.080	-0.059	-0.049	0.019
TCRBV09_11	0.006	-0.030	-0.013	-0.014	0.025
TCRBV09_12	-0.047	-0.023	-0.080	0.040	0.007
TCRBV09_13	-0.028	-0.022	0.042	-0.005	0.021
TCRBV09_14	-0.032	0.000	0.029	-0.026	0.007
TCRBV09_15	-0.011	-0.007	0.012	-0.002	-0.004
TCRBV10_6	-0.012	-0.024	-0.001	0.021	0.012
TCRBV10_7	-0.030	0.035	0.034	-0.017	0.017
TCRBV10_8	-0.033	0.024	0.016	-0.037	-0.007
TCRBV10_9	-0.011	-0.027	-0.018	-0.010	0.025
TCRBV10_10	0.071	-0.025	-0.030	0.000	-0.034
TCRBV10_11	0.007	0.029	0.010	0.041	0.012
TCRBV10_12	0.009	-0.012	-0.011	0.002	-0.026
TCRBV10_13	-0.001	0.000	0.001	0.000	0.001
TCRBV11_5	0.005	0.001	0.014	0.013	-0.011
TCRBV11_6	-0.004	-0.017	0.015	-0.031	0.019
TCRBV11_7	-0.005	0.020	0.015	0.014	0.022
TCRBV11_8	-0.004	-0.020	0.019	0.010	0.031
TCRBV11_9	-0.004	0.006	-0.042	-0.005	0.004
TCRBV11_10	-0.002	0.030	-0.013	0.005	0.001
TCRBV11_11	0.022	-0.001	0.006	0.002	-0.020
TCRBV11_12	0.023	-0.003	-0.014	-0.024	-0.052
TCRBV11_13	0.004	-0.011	-0.006	-0.006	-0.010
TCRBV11_14	-0.002	0.002	0.003	0.002	0.004
TCRBV11_15	-0.001	0.001	0.001	0.001	0.002
TCRBV12_4	0.012	0.005	0.002	-0.015	0.004
TCRBV12_5	0.020	0.007	-0.016	-0.007	-0.006
TCRBV12_6	-0.010	-0.012	0.010	-0.028	0.018
TCRBV12_7	-0.022	-0.018	0.059	0.017	-0.035
TCRBV12_8	0.008	-0.025	-0.020	0.029	0.024
TCRBV12_9	-0.017	0.011	-0.023	-0.001	-0.008
TCRBV12_10	0.035	0.001	0.003	-0.003	-0.014
TCRBV12_11	-0.014	0.015	-0.003	-0.002	0.010
TCRBV12_12	-0.014	0.017	-0.012	0.010	0.006
TCRBV13_5	0.001	0.009	0.003	-0.014	0.001
TCRBV13_6	0.015	-0.034	0.041	0.003	-0.011
TCRBV13_7	0.008	-0.034	-0.039	0.035	-0.022
TCRBV13_8	-0.030	0.048	-0.009	-0.011	-0.008
TCRBV13_9	0.007	0.014	-0.032	0.011	0.026
TCRBV13_10	0.047	0.001	0.002	-0.038	-0.009
TCRBV13_11	-0.028	0.003	0.009	0.032	-0.008
TCRBV13_12	-0.003	-0.010	0.012	-0.008	0.003
TCRBV13_13	-0.017	0.004	0.014	-0.010	0.027
TCRBV14_5	-0.006	0.006	-0.008	0.006	-0.002

FIGURE 116 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
185/218

10/519950

TCRBV14_6	0.013	-0.005	0.017	0.004	-0.027
TCRBV14_7	0.007	-0.018	-0.063	0.031	0.009
TCRBV14_8	0.016	0.011	0.038	-0.045	0.002
TCRBV14_9	-0.004	-0.003	0.016	-0.002	0.012
TCRBV14_10	-0.030	0.010	0.024	-0.015	0.021
TCRBV14_11	0.016	0.013	0.001	0.025	-0.007
TCRBV14_12	-0.013	-0.014	-0.024	-0.005	-0.009
TCRBV14_13	0.000	0.000	0.000	0.000	0.001
TCRBV15_4	0.003	-0.013	-0.005	-0.006	-0.014
TCRBV15_5	0.031	0.006	0.012	0.003	0.032
TCRBV15_6	-0.006	-0.012	0.009	-0.042	-0.031
TCRBV15_7	-0.021	-0.003	-0.009	-0.004	-0.040
TCRBV15_8	0.021	0.033	-0.003	0.003	0.049
TCRBV15_9	-0.030	-0.001	0.008	-0.012	-0.010
TCRBV15_10	-0.010	-0.011	0.013	0.056	0.005
TCRBV15_11	0.046	0.003	-0.019	-0.022	0.002
TCRBV15_12	-0.003	0.003	-0.009	0.004	-0.002
TCRBV16_5	0.007	0.006	0.011	-0.005	0.018
TCRBV16_6	0.015	0.036	0.034	-0.018	0.027
TCRBV16_7	0.001	0.061	0.016	0.043	-0.038
TCRBV16_8	0.027	-0.075	-0.031	-0.021	0.032
TCRBV16_9	0.022	0.031	0.020	0.017	-0.015
TCRBV16_10	-0.068	-0.048	-0.027	-0.004	-0.013
TCRBV16_11	-0.018	-0.043	0.014	0.037	-0.007
TCRBV16_12	-0.011	0.040	0.002	-0.058	-0.023
TCRBV16_13	-0.002	0.004	0.001	-0.000	0.010
TCRBV18_3	0.002	-0.003	-0.005	-0.004	-0.000
TCRBV18_4	0.014	0.020	-0.008	0.011	-0.014
TCRBV18_5	0.015	0.045	0.030	0.026	-0.038
TCRBV18_6	0.017	0.049	0.044	0.009	0.046
TCRBV18_7	0.007	-0.026	0.010	-0.044	0.043
TCRBV18_8	-0.054	-0.020	-0.004	0.017	-0.071
TCRBV18_9	0.025	-0.018	0.015	0.016	0.044
TCRBV18_10	0.056	0.034	-0.023	-0.046	-0.009
TCRBV18_11	-0.002	0.035	-0.028	0.019	-0.034
TCRBV18_12	0.001	0.000	-0.003	-0.001	0.007
TCRBV18_13	-0.007	0.002	0.001	0.003	0.010
TCRBV20_5	0.012	0.004	0.013	0.007	-0.014
TCRBV20_6	0.051	-0.025	-0.015	0.063	-0.029
TCRBV20_7	0.023	0.041	0.023	-0.029	-0.041
TCRBV20_8	-0.050	0.054	-0.046	-0.015	0.087
TCRBV20_9	0.017	-0.065	0.036	0.010	0.030
TCRBV20_10	-0.014	0.028	-0.014	0.030	0.004
TCRBV20_11	-0.007	0.022	0.041	-0.006	-0.034
TCRBV20_12	-0.009	-0.024	-0.011	-0.073	-0.013
TCRBV20_13	0.007	-0.018	-0.026	-0.003	0.010
TCRBV20_14	0.002	-0.011	-0.004	-0.005	-0.011
46 47 48 49 50					
TCRBV01_6	-0.014	-0.003	-0.023	-0.003	-0.020
TCRBV01_7	0.002	0.037	-0.012	-0.004	0.004
TCRBV01_8	0.008	0.016	-0.015	0.012	0.009
TCRBV01_9	0.010	-0.008	0.021	-0.048	-0.014
TCRBV01_10	-0.039	0.041	-0.006	-0.089	-0.003
TCRBV01_11	-0.017	-0.024	0.009	0.082	0.009
TCRBV01_12	0.024	0.000	-0.026	0.037	-0.015
TCRBV01_13	0.015	-0.022	0.017	0.016	0.001
TCRBV01_14	-0.001	0.002	0.001	0.000	-0.000
TCRBV02_6	-0.005	0.036	-0.004	-0.077	0.076
TCRBV02_7	0.016	-0.003	-0.002	-0.024	0.046
TCRBV02_8	0.042	-0.025	0.032	0.099	-0.019
TCRBV02_9	-0.043	0.005	-0.037	0.009	-0.084
TCRBV02_10	0.029	-0.029	-0.034	-0.016	-0.026

FIGURE 117

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
186/218

10/519950

TCRBV02_11	-0.051	-0.007	-0.053	-0.033	-0.008
TCRBV02_12	0.003	-0.029	0.043	-0.010	-0.001
TCRBV02_13	0.004	0.011	-0.012	-0.001	-0.001
TCRBV03_4	0.000	0.001	0.002	0.001	0.000
TCRBV03_5	-0.010	0.001	0.001	-0.002	-0.001
TCRBV03_6	0.015	0.008	-0.095	0.047	-0.075
TCRBV03_7	-0.009	-0.004	0.002	-0.030	-0.015
TCRBV03_8	-0.022	-0.006	-0.014	0.009	0.028
TCRBV03_9	-0.003	0.002	0.005	-0.014	0.080
TCRBV03_10	0.045	0.043	0.057	-0.041	-0.032
TCRBV03_11	-0.030	0.029	0.033	0.022	0.010
TCRBV03_12	0.010	-0.013	-0.002	0.020	0.029
TCRBV03_13	-0.007	-0.022	-0.023	-0.011	-0.054
TCRBV04_6	0.012	0.006	0.003	0.002	-0.011
TCRBV04_7	0.001	0.045	0.030	-0.028	0.008
TCRBV04_8	0.024	0.016	-0.002	0.032	0.000
TCRBV04_9	0.017	-0.057	0.008	-0.030	0.019
TCRBV04_10	0.055	0.016	-0.019	-0.012	0.031
TCRBV04_11	-0.008	-0.028	-0.014	0.005	-0.040
TCRBV04_12	-0.021	-0.016	-0.038	0.104	0.022
TCRBV04_13	-0.077	0.027	0.028	-0.066	0.010
TCRBV04_14	0.001	0.021	0.008	0.011	-0.071
TCRBV04_15	-0.005	-0.030	-0.004	-0.019	0.033
TCRBV051_5	-0.021	-0.040	-0.010	0.040	0.014
TCRBV051_6	0.005	0.007	-0.050	-0.077	0.006
TCRBV051_7	-0.048	-0.005	0.070	0.019	-0.065
TCRBV051_8	-0.005	0.005	0.084	0.003	-0.018
TCRBV051_9	0.047	-0.065	-0.025	0.022	0.008
TCRBV051_10	-0.060	0.029	0.009	-0.012	0.007
TCRBV051_11	-0.028	-0.010	-0.031	-0.029	0.044
TCRBV051_12	0.036	0.031	-0.031	0.025	0.053
TCRBV051_13	0.022	-0.036	-0.019	0.024	0.024
TCRBV052_6	0.018	-0.005	0.014	-0.061	-0.002
TCRBV052_7	-0.018	-0.024	0.054	0.023	0.029
TCRBV052_8	0.006	0.007	-0.052	0.021	-0.010
TCRBV052_9	-0.039	0.003	-0.036	0.004	0.046
TCRBV052_10	-0.008	-0.035	0.027	-0.065	-0.017
TCRBV052_11	-0.031	-0.027	-0.019	0.049	-0.026
TCRBV052_12	0.001	-0.003	0.007	0.038	0.067
TCRBV052_13	0.020	0.001	0.001	0.007	-0.014
TCRBV06_5	0.009	0.007	-0.004	-0.008	-0.022
TCRBV06_6	0.006	0.007	-0.031	-0.022	0.006
TCRBV06_7	0.044	0.021	0.003	0.016	0.024
TCRBV06_8	-0.018	-0.007	0.006	0.003	0.000
TCRBV06_9	0.008	-0.020	-0.022	0.028	0.036
TCRBV06_10	0.053	-0.027	0.042	0.014	-0.028
TCRBV06_11	-0.010	0.012	-0.031	-0.017	0.037
TCRBV06_12	-0.085	0.045	-0.024	-0.023	-0.020
TCRBV06_13	-0.017	0.001	0.025	0.011	-0.063
TCRBV07_5	-0.000	-0.005	0.016	0.022	-0.041
TCRBV07_6	0.007	0.032	0.000	0.019	-0.019
TCRBV07_7	-0.012	0.017	-0.008	-0.067	-0.016
TCRBV07_8	0.050	-0.014	0.030	-0.044	0.066
TCRBV07_9	-0.023	0.006	-0.039	0.091	-0.011
TCRBV07_10	-0.001	-0.008	-0.052	-0.005	0.012
TCRBV07_11	-0.015	0.003	0.001	-0.028	0.032
TCRBV07_12	-0.001	0.006	0.018	0.023	-0.046
TCRBV07_13	-0.016	0.002	-0.001	-0.007	-0.005
TCRBV081_5	-0.006	-0.016	-0.013	-0.006	0.006
TCRBV081_6	-0.018	-0.001	0.013	-0.057	-0.077
TCRBV081_7	-0.021	-0.014	-0.001	0.004	0.007
TCRBV081_8	0.024	-0.038	-0.025	-0.002	0.013
TCRBV081_9	0.014	0.035	-0.053	0.026	0.041
TCRBV081_10	-0.021	-0.024	-0.024	0.017	0.027

FIGURE 117 (continuing)

OBLOON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
187/218

10/519950

TCRBV081_11	0.004	0.041	0.022	0.024	0.020
TCRBV081_12	0.024	0.017	0.081	-0.006	-0.035
TCRBV082_4	-0.009	-0.063	0.072	0.021	-0.001
TCRBV082_5	-0.033	0.022	0.009	-0.015	0.034
TCRBV082_6	-0.013	-0.026	0.070	0.018	0.100
TCRBV082_7	-0.033	0.026	-0.065	-0.053	-0.084
TCRBV082_8	-0.029	-0.003	-0.041	0.064	-0.041
TCRBV082_9	0.056	0.002	-0.016	-0.015	-0.005
TCRBV082_10	0.029	0.030	-0.033	-0.047	-0.014
TCRBV082_11	0.033	0.011	0.005	0.027	0.010
TCRBV083_4	-0.000	-0.002	-0.002	-0.001	-0.005
TCRBV083_5	0.006	0.013	0.069	0.050	0.031
TCRBV083_6	-0.023	-0.004	0.009	0.005	0.076
TCRBV083_7	-0.010	-0.027	-0.047	-0.007	-0.037
TCRBV083_8	-0.012	0.006	0.040	-0.042	0.006
TCRBV083_9	-0.015	0.007	-0.020	0.010	-0.056
TCRBV083_10	0.035	-0.029	0.045	-0.037	-0.040
TCRBV083_11	0.012	-0.027	-0.035	-0.043	0.054
TCRBV083_12	0.007	0.063	-0.058	0.065	-0.030
TCRBV09_5	0.010	0.005	-0.006	0.000	-0.005
TCRBV09_6	0.044	-0.002	-0.014	-0.055	0.031
TCRBV09_7	0.055	0.052	-0.051	-0.025	-0.053
TCRBV09_8	-0.034	0.032	-0.039	0.053	0.008
TCRBV09_9	-0.032	-0.048	-0.066	-0.053	0.063
TCRBV09_10	0.005	-0.062	0.047	-0.036	0.009
TCRBV09_11	0.021	-0.029	0.038	-0.010	-0.046
TCRBV09_12	0.004	-0.123	0.013	-0.005	-0.071
TCRBV09_13	-0.026	0.001	-0.007	0.014	-0.005
TCRBV09_14	0.018	0.011	-0.046	0.020	0.033
TCRBV09_15	0.003	0.032	-0.044	0.022	0.012
TCRBV10_6	-0.004	-0.017	0.048	-0.058	-0.014
TCRBV10_7	0.014	0.004	-0.039	-0.005	-0.086
TCRBV10_8	0.039	0.044	0.065	0.030	-0.026
TCRBV10_9	-0.067	0.016	-0.005	0.037	0.098
TCRBV10_10	0.003	-0.079	0.014	-0.059	0.027
TCRBV10_11	-0.004	0.014	-0.052	0.030	-0.012
TCRBV10_12	0.018	0.017	-0.032	0.025	0.012
TCRBV10_13	0.000	0.001	0.001	0.001	0.000
TCRBV11_5	-0.005	0.005	0.016	-0.018	-0.052
TCRBV11_6	0.002	-0.018	0.003	-0.039	-0.042
TCRBV11_7	0.004	-0.017	0.013	0.003	-0.053
TCRBV11_8	0.023	-0.008	0.010	0.006	0.085
TCRBV11_9	0.026	0.011	-0.060	0.062	-0.017
TCRBV11_10	-0.046	0.004	-0.041	-0.038	0.033
TCRBV11_11	-0.037	0.058	0.021	0.038	0.043
TCRBV11_12	0.021	-0.022	-0.000	-0.019	-0.028
TCRBV11_13	0.001	0.021	-0.001	0.002	0.002
TCRBV11_14	0.000	0.002	0.004	0.003	0.001
TCRBV11_15	0.000	0.001	0.001	0.001	0.000
TCRBV12_4	-0.011	0.018	0.014	0.002	0.026
TCRBV12_5	0.035	0.006	0.022	0.003	0.010
TCRBV12_6	0.016	0.007	-0.019	0.018	0.007
TCRBV12_7	-0.012	0.015	0.025	0.047	-0.023
TCRBV12_8	-0.000	0.016	0.074	0.068	0.001
TCRBV12_9	0.016	0.001	-0.104	0.012	-0.041
TCRBV12_10	-0.002	0.008	0.050	-0.035	0.057
TCRBV12_11	-0.014	-0.068	-0.027	-0.047	0.030
TCRBV12_12	-0.028	-0.003	-0.036	-0.067	-0.067
TCRBV13_5	0.007	-0.006	0.003	0.004	-0.003
TCRBV13_6	-0.041	-0.010	0.007	0.049	0.058
TCRBV13_7	-0.005	0.044	0.016	-0.039	-0.054
TCRBV13_8	-0.024	0.027	0.085	0.021	-0.044
TCRBV13_9	0.021	0.021	0.015	0.006	0.044

FIGURE 117 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
188/218

10/519950

TCRBV13_10	0.025	-0.006	-0.061	-0.018	-0.042
TCRBV13_11	0.019	-0.040	-0.045	0.021	0.018
TCRBV13_12	0.001	-0.006	-0.012	0.016	0.002
TCRBV13_13	-0.003	-0.024	-0.009	-0.059	0.022
TCRBV14_5	0.001	-0.006	-0.002	0.001	0.010
TCRBV14_6	0.028	-0.008	0.046	0.011	-0.040
TCRBV14_7	-0.041	0.028	-0.029	-0.014	0.015
TCRBV14_8	-0.046	0.009	0.021	-0.014	0.024
TCRBV14_9	0.008	-0.111	-0.043	-0.066	0.011
TCRBV14_10	-0.048	0.004	-0.006	0.084	-0.018
TCRBV14_11	0.085	0.049	0.017	0.024	-0.008
TCRBV14_12	0.013	0.032	-0.006	-0.026	0.007
TCRBV14_13	0.001	0.002	0.001	0.001	-0.001
TCRBV15_4	0.003	0.015	-0.011	-0.006	0.007
TCRBV15_5	-0.006	-0.029	-0.035	-0.025	-0.068
TCRBV15_6	-0.009	0.039	-0.004	0.023	-0.047
TCRBV15_7	0.008	0.046	-0.055	-0.020	0.079
TCRBV15_8	-0.015	0.002	0.017	0.036	-0.031
TCRBV15_9	-0.020	-0.040	0.039	0.010	0.015
TCRBV15_10	0.010	-0.014	0.014	0.036	0.042
TCRBV15_11	0.041	0.016	-0.007	-0.047	-0.050
TCRBV15_12	-0.023	0.003	0.007	-0.005	0.025
TCRBV16_5	0.005	0.018	0.007	-0.056	0.049
TCRBV16_6	0.021	-0.006	0.001	0.025	0.083
TCRBV16_7	-0.020	-0.102	-0.058	0.001	-0.017
TCRBV16_8	-0.028	0.010	0.002	0.006	-0.064
TCRBV16_9	-0.008	0.004	0.001	0.002	0.014
TCRBV16_10	-0.020	0.047	-0.008	0.011	-0.032
TCRBV16_11	-0.026	0.044	0.047	-0.004	-0.001
TCRBV16_12	0.006	-0.049	-0.032	0.025	-0.005
TCRBV16_13	0.007	-0.011	0.001	0.007	0.018
TCRBV18_3	0.004	-0.007	0.000	-0.005	-0.006
TCRBV18_4	0.048	-0.024	0.044	-0.043	0.000
TCRBV18_5	0.050	-0.002	-0.013	0.049	0.045
TCRBV18_6	0.045	0.068	0.008	-0.047	-0.032
TCRBV18_7	-0.122	-0.018	0.030	0.007	-0.003
TCRBV18_8	0.047	0.053	0.013	-0.067	0.004
TCRBV18_9	-0.035	-0.049	0.001	0.011	-0.023
TCRBV18_10	-0.031	-0.035	0.067	0.012	-0.086
TCRBV18_11	-0.023	-0.006	0.032	0.022	-0.019
TCRBV18_12	-0.002	0.001	0.002	-0.001	0.010
TCRBV18_13	-0.009	-0.013	-0.007	-0.004	0.006
TCRBV20_5	0.000	0.030	0.023	-0.006	-0.059
TCRBV20_6	-0.024	0.035	0.000	0.053	0.015
TCRBV20_7	-0.042	0.009	0.018	-0.027	0.031
TCRBV20_8	-0.012	0.049	-0.028	-0.050	-0.060
TCRBV20_9	0.047	-0.058	0.006	0.106	-0.030
TCRBV20_10	-0.032	-0.027	-0.006	-0.041	0.004
TCRBV20_11	0.023	-0.016	0.011	-0.012	-0.042
TCRBV20_12	0.023	0.039	-0.012	-0.027	0.091
TCRBV20_13	0.004	-0.035	-0.039	0.010	0.016
TCRBV20_14	0.002	0.012	-0.009	-0.005	0.006

51

52

TCRBV01_6	0.005	0.001
TCRBV01_7	-0.006	-0.031
TCRBV01_8	-0.041	0.095
TCRBV01_9	-0.033	-0.074
TCRBV01_10	0.023	0.004
TCRBV01_11	-0.031	-0.003
TCRBV01_12	0.061	-0.024
TCRBV01_13	0.013	0.015
TCRBV01_14	-0.001	-0.001

FIGURE 117 (continuing)

10/519950

TCRBV02_6	0.046	-0.048
TCRBV02_7	-0.037	-0.026
TCRBV02_8	-0.145	0.046
TCRBV02_9	0.013	0.004
TCRBV02_10	-0.005	-0.031
TCRBV02_11	-0.009	-0.017
TCRBV02_12	-0.016	-0.055
TCRBV02_13	0.001	-0.016
TCRBV03_4	0.004	0.004
TCRBV03_5	-0.004	0.007
TCRBV03_6	-0.016	-0.040
TCRBV03_7	0.029	-0.066
TCRBV03_8	0.031	0.020
TCRBV03_9	0.014	0.036
TCRBV03_10	-0.011	-0.047
TCRBV03_11	-0.033	0.022
TCRBV03_12	-0.010	-0.010
TCRBV03_13	-0.014	0.054
TCRBV04_6	-0.011	0.006
TCRBV04_7	-0.018	-0.073
TCRBV04_8	0.047	-0.036
TCRBV04_9	-0.004	-0.211
TCRBV04_10	-0.047	0.160
TCRBV04_11	0.051	0.048
TCRBV04_12	-0.024	0.043
TCRBV04_13	-0.053	0.022
TCRBV04_14	0.066	0.002
TCRBV04_15	-0.007	0.039
TCRBV051_5	-0.065	-0.049
TCRBV051_6	-0.039	-0.035
TCRBV051_7	-0.027	-0.083
TCRBV051_8	-0.005	0.041
TCRBV051_9	0.034	0.030
TCRBV051_10	-0.058	0.050
TCRBV051_11	0.055	0.073
TCRBV051_12	0.042	-0.006
TCRBV051_13	0.058	0.027
TCRBV052_6	-0.014	-0.102
TCRBV052_7	0.018	0.036
TCRBV052_8	0.000	0.045
TCRBV052_9	0.042	0.045
TCRBV052_10	0.020	0.055
TCRBV052_11	-0.012	-0.030
TCRBV052_12	-0.036	-0.015
TCRBV052_13	-0.024	0.016
TCRBV06_5	-0.025	-0.013
TCRBV06_6	-0.014	-0.034
TCRBV06_7	-0.060	-0.039
TCRBV06_8	0.084	0.001
TCRBV06_9	-0.054	-0.049
TCRBV06_10	0.011	0.063
TCRBV06_11	0.015	-0.009
TCRBV06_12	-0.003	0.021
TCRBV06_13	0.036	0.039
TCRBV07_5	0.001	-0.032
TCRBV07_6	0.007	-0.050
TCRBV07_7	-0.025	-0.006
TCRBV07_8	0.023	0.044
TCRBV07_9	-0.038	-0.054
TCRBV07_10	0.073	0.054
TCRBV07_11	-0.008	0.067
TCRBV07_12	-0.029	-0.046
TCRBV07_13	-0.014	0.003
TCRBV081_5	0.020	0.006

FIGURE 118

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
190/218

10/519950

TCRBV081_6	-0.014	0.043
TCRBV081_7	0.006	0.034
TCRBV081_8	-0.028	-0.034
TCRBV081_9	-0.008	-0.039
TCRBV081_10	0.004	0.040
TCRBV081_11	-0.013	0.012
TCRBV081_12	0.033	-0.062
TCRBV082_4	0.103	-0.021
TCRBV082_5	-0.054	-0.020
TCRBV082_6	0.101	-0.007
TCRBV082_7	-0.086	0.107
TCRBV082_8	0.013	-0.019
TCRBV082_9	-0.050	0.023
TCRBV082_10	-0.033	-0.055
TCRBV082_11	0.006	-0.009
TCRBV083_4	-0.001	0.004
TCRBV083_5	-0.020	-0.000
TCRBV083_6	-0.047	-0.001
TCRBV083_7	0.059	0.043
TCRBV083_8	-0.098	0.001
TCRBV083_9	0.052	0.013
TCRBV083_10	0.062	-0.018
TCRBV083_11	-0.052	0.017
TCRBV083_12	0.044	-0.058
TCRBV09_5	0.011	0.003
TCRBV09_6	0.022	0.052
TCRBV09_7	-0.055	0.091
TCRBV09_8	0.050	-0.010
TCRBV09_9	0.001	-0.032
TCRBV09_10	0.025	-0.007
TCRBV09_11	0.043	0.004
TCRBV09_12	0.004	-0.125
TCRBV09_13	-0.083	-0.060
TCRBV09_14	-0.079	0.009
TCRBV09_15	-0.009	-0.023
TCRBV10_6	-0.004	-0.022
TCRBV10_7	-0.026	-0.011
TCRBV10_8	0.002	-0.074
TCRBV10_9	0.008	0.041
TCRBV10_10	-0.045	0.092
TCRBV10_11	0.028	-0.027
TCRBV10_12	0.035	-0.001
TCRBV10_13	0.002	0.002
TCRBV11_5	0.012	0.022
TCRBV11_6	0.032	0.015
TCRBV11_7	-0.045	0.092
TCRBV11_8	-0.087	-0.067
TCRBV11_9	0.058	-0.057
TCRBV11_10	-0.034	0.013
TCRBV11_11	0.028	-0.071
TCRBV11_12	0.006	0.022
TCRBV11_13	0.008	-0.000
TCRBV11_14	0.009	0.008
TCRBV11_15	0.003	0.003
TCRBV12_4	-0.047	-0.033
TCRBV12_5	0.023	0.054
TCRBV12_6	-0.034	-0.007
TCRBV12_7	-0.007	0.118
TCRBV12_8	0.045	0.008
TCRBV12_9	0.039	-0.101
TCRBV12_10	0.000	-0.021
TCRBV12_11	-0.041	-0.037
TCRBV12_12	0.021	0.021
TCRBV13_5	0.022	-0.015

FIGURE 118 (continuing)

10/519950

TCRBV13_6	-0.092	-0.029
TCRBV13_7	0.026	-0.025
TCRBV13_8	-0.000	0.059
TCRBV13_9	0.018	-0.032
TCRBV13_10	0.052	-0.005
TCRBV13_11	0.019	0.095
TCRBV13_12	0.004	0.015
TCRBV13_13	-0.049	-0.062
TCRBV14_5	-0.001	0.008
TCRBV14_6	-0.057	-0.008
TCRBV14_7	0.025	-0.026
TCRBV14_8	0.031	-0.010
TCRBV14_9	0.008	0.011
TCRBV14_10	0.024	-0.017
TCRBV14_11	-0.078	0.052
TCRBV14_12	0.044	-0.011
TCRBV14_13	0.002	0.001
TCRBV15_4	0.009	-0.022
TCRBV15_5	-0.035	-0.067
TCRBV15_6	-0.002	-0.026
TCRBV15_7	0.072	0.028
TCRBV15_8	0.017	0.013
TCRBV15_9	0.023	0.006
TCRBV15_10	-0.028	0.080
TCRBV15_11	-0.049	-0.040
TCRBV15_12	-0.016	0.008
TCRBV16_5	0.079	0.016
TCRBV16_6	0.007	0.014
TCRBV16_7	-0.070	0.070
TCRBV16_8	-0.002	-0.030
TCRBV16_9	0.030	0.025
TCRBV16_10	-0.079	-0.041
TCRBV16_11	-0.016	0.044
TCRBV16_12	0.034	-0.070
TCRBV16_13	0.002	0.001
TCRBV18_3	0.003	0.009
TCRBV18_4	-0.018	0.015
TCRBV18_5	-0.019	0.010
TCRBV18_6	0.012	-0.028
TCRBV18_7	0.036	-0.045
TCRBV18_8	0.011	-0.001
TCRBV18_9	-0.069	-0.013
TCRBV18_10	-0.003	-0.006
TCRBV18_11	0.023	0.099
TCRBV18_12	0.002	0.001
TCRBV18_13	0.009	0.002
TCRBV20_5	0.028	0.033
TCRBV20_6	-0.063	0.010
TCRBV20_7	-0.062	-0.056
TCRBV20_8	0.022	0.084
TCRBV20_9	0.041	0.027
TCRBV20_10	-0.008	0.044
TCRBV20_11	-0.018	0.003
TCRBV20_12	0.051	-0.065
TCRBV20_13	-0.008	-0.083
TCRBV20_14	0.007	-0.018

Standardized scores have been saved.

53 cases and 56 variables processed.

FIGURE 118 (continuing)

53 cases and 56 variables processed and saved.

SYSTAT Rectangular file C:\Utilisateurs\OGp8586\Pr81OG290802F.SYD,  
created Fri Aug 30, 2002 at 10:39:56, contains variables:

CASE\$	GROUPS\$	FACTOR(1..52)	TSQUARE	PROB	
Group frequencies					
F3*	F3*!	FS	FT	R3*	R3*!
5	10	5	9	5	5
RS	RT				
5	9				
Group means					

FIGURE 118 (continuing)

OBLON, SPIVAK, ET AL.  
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Preliminary Amendment  
REPLACEMENT SHEET  
193/218

10/519950

	F3*	F3*S	FS	FT	R3*
FACTOR(1)	0.029	0.701	9	0.582	6
FACTOR(2)	0.652	0.065	0.584	0.647	6
FACTOR(3)	0.66	1.28	0.11	-	-
FACTOR(4)	0.56	-	0.97	1.234	0.470
FACTOR(5)	0.44	0.170	2	0.038	0.367
FACTOR(6)	0.28	0.469	2	0.026	0.20
FACTOR(7)	1.26	0.12	0.42	0.21	-
FACTOR(8)	0.530	0.08	-	0.40	0.546
FACTOR(9)	0.147	0.07	1.236	1	0.11
FACTOR(10)	0.446	0.130	9	0.29	0.20
FACTOR(11)	0.43	0.536	0.076	0.11	-
FACTOR(12)	0.83	0.514	0.02	0.22	0.221
FACTOR(13)	0.646	0.16	0.45	0.42	0.179
FACTOR(14)	0.63	0.370	0.210	0.38	0.00
FACTOR(15)	0.28	0.14	0.43	0.257	0.20
FACTOR(16)	0.020	0.127	0.144	0.21	-
FACTOR(17)	0.458	0.42	0.945	0.293	0.111
FACTOR(18)	0.852	0.27	0.43	0.086	0.113
FACTOR(19)	0.22	0.03	0.05	0.04	0.474
FACTOR(20)	1.02	0.17	-	0.13	0.34
FACTOR(21)	0.859	0.33	0.32	0.71	-
FACTOR(22)	0.048	0.018	0.247	0.24	0.054
FACTOR(23)	0.449	0.240	2	0.28	0.432
FACTOR(24)	0.26	0.323	9	0.043	-
FACTOR(25)	0.225	0.194	1	0.156	0.658
FACTOR(26)	0.255	0.23	-	0.24	0.04
FACTOR(27)	0.38	0.260	1.069	0.08	-
FACTOR(28)	0.222	0.08	0.05	0.02	0.231
FACTOR(29)	0.112	0.03	0.050	0.07	0.07
FACTOR(30)	0.439	0.14	0.00	0.12	0.197
FACTOR(31)	0.104	0.046	8	0.406	0.00

FIGURE 119

10/519950

FACTOR(32)	8	0.25	-	-	3	0.06	-
			0.046	0.316			1.439
FACTOR(33)	1	0.04	-	-	9	0.18	-
			0.090	0.323			0.732
FACTOR(34)	0	0.16	-	-	0.061	-	0.107
			0.126	0.199			
FACTOR(35)	-	-	0.05	-	0.02	-	0.02
	0.200	1	-	0.141	7	-	7
FACTOR(36)	-	-	0.01	-	-	-	-
	0.040	9	-	0.167	0.220	-	0.329
FACTOR(37)	6	0.26	0.04	0.08	-	-	0.06
		2	-	7	0.328	3	-
FACTOR(38)	9	0.12	-	0.18	0.00	-	-
			0.118	4	1	-	0.584
FACTOR(39)	8	0.29	-	0.17	-	-	-
			0.086	3	0.194	-	0.728
FACTOR(40)	-	-	0.04	-	0.20	-	-
	0.189	9	-	0.152	9	-	0.352
FACTOR(41)	2	0.04	0.03	-	0.13	-	-
		0	-	0.129	8	-	0.684
FACTOR(42)	1	0.01	0.06	-	-	-	0.26
		7	-	0.343	0.103	6	-
FACTOR(43)	3	0.15	-	-	0.03	-	-
			0.138	0.118	8	-	0.640
FACTOR(44)	5	0.15	0.03	-	-	-	-
		4	-	0.690	0.037	-	0.356
FACTOR(45)	2	0.01	-	-	-	-	0.20
			0.073	0.015	0.330	8	-
FACTOR(46)	-	-	0.01	0.15	0.15	-	-
	0.062	8	-	5	9	-	0.302
FACTOR(47)	-	-	0.09	-	0.31	-	0.36
	0.167	9	-	0.789	5	1	-
FACTOR(48)	-	-	0.08	-	-	-	0.48
	0.118	7	-	0.168	0.011	3	-
FACTOR(49)	-	-	0.10	-	-	-	-
	0.089	6	-	0.313	0.013	-	0.045
FACTOR(50)	-	-	0.15	0.09	-	-	0.44
	0.119	0	-	1	0.073	6	-
FACTOR(51)	7	0.00	0.00	0.04	-	-	0.08
		3	-	5	0.079	4	-
FACTOR(52)	-	-	0.05	-	-	-	-
	0.029	2	-	0.016	0.018	-	0.047

FIGURE 119 (continuing)

10/519950

	R3'S	RS	RT
FACTOR(1)	0.14	0.98	0.00
	8	5	1
FACTOR(2)	1.04	-	0.36
	6	0.140	0
FACTOR(3)	-	-	-
	0.172	0.043	0.244
FACTOR(4)	-	-	-
	0.615	0.068	0.042
FACTOR(5)	-	0.02	0.29
	0.607	2	9
FACTOR(6)	-	-	-
	0.309	0.314	0.096
FACTOR(7)	-	-	-
	0.164	0.524	0.192
FACTOR(8)	-	-	0.22
	0.025	0.459	0
FACTOR(9)	0.26	0.16	0.19
	5	7	3
FACTOR(10)	-	0.27	0.28
	0.314	1	0
FACTOR(11)	0.18	0.33	0.22
	8	1	7
FACTOR(12)	0.15	-	-
	5	0.396	0.307
FACTOR(13)	-	0.23	-
	0.476	7	0.084
FACTOR(14)	-	-	0.54
	0.277	0.134	2
FACTOR(15)	0.27	-	-
	0	0.092	0.214
FACTOR(16)	-	0.05	0.06
	0.023	2	4
FACTOR(17)	0.13	0.31	0.41
	8	2	1
FACTOR(18)	0.24	0.21	0.02
	2	5	6
FACTOR(19)	-	-	-
	0.009	0.225	0.291
FACTOR(20)	0.02	0.03	-
	9	7	0.827
FACTOR(21)	-	0.10	-
	0.537	9	0.306
FACTOR(22)	0.78	-	0.07
	9	0.804	0
FACTOR(23)	0.22	-	0.18
	1	0.249	2
FACTOR(24)	0.51	1.03	-
	4	2	0.438
FACTOR(25)	0.73	0.11	-
	6	7	0.097
FACTOR(26)	0.41	0.06	-
	4	1	0.033
FACTOR(27)	0.10	0.86	0.00
	8	1	6
FACTOR(28)	-	-	0.38
	0.339	0.197	4
FACTOR(29)	-	0.64	-
	0.052	7	0.346
FACTOR(30)	-	0.02	-
	0.066	7	0.348
FACTOR(31)	0.41	0.42	-
	1	8	0.004

FIGURE 119 (continuing)

10/519950

FACTOR(32)	-	-	0.82
	0.004	0.005	5
FACTOR(33)	0.53	0.78	-
	6	9	0.262
FACTOR(34)	-	0.55	0.14
	0.303	8	1
FACTOR(35)	-	0.63	-
	0.098	1	0.205
FACTOR(36)	0.50	0.05	0.19
	4	0	0
FACTOR(37)	-	0.41	0.30
	0.869	1	3
FACTOR(38)	0.52	-	0.24
	2	0.456	4
FACTOR(39)	0.20	-	0.59
	0	0.491	4
FACTOR(40)	-	0.22	0.32
	0.598	9	6
FACTOR(41)	0.21	0.41	-
	8	2	0.093
FACTOR(42)	-	0.77	-
	0.426	4	0.128
FACTOR(43)	0.41	0.07	0.17
	7	4	8
FACTOR(44)	-	0.66	0.22
	0.184	1	9
FACTOR(45)	-	0.03	0.36
	0.159	1	7
FACTOR(46)	0.67	-	-
	5	0.075	0.396
FACTOR(47)	-	0.56	-
	0.667	2	0.035
FACTOR(48)	-	-	0.17
	0.257	0.406	4
FACTOR(49)	0.01	0.51	-
	2	4	0.149
FACTOR(50)	-	-	0.133
	0.219	0.128	0.46
FACTOR(51)	-	0.12	-
	0.963	3	6
FACTOR(52)	-	0.08	0.02
	0.107	2	5

Between groups F-matrix - df = 45 1

	F3*	F3*S	FS	FT	R3*
F3*	0.00				
	0				
F3*	52.3	0.00			
	67	0			
FS	26.4	63.0	0.00		
	26	91	0		
FT	29.5	34.4	10.0	0.00	
	44	64	96	0	
R3*	18.7	47.6	2.03	5.20	0.00
	57	04	0	5	0
R3*	26.4	14.5	14.7	1.90	8.65
	37	04	02	2	6
RS	22.7	65.3	0.58	11.7	2.04
	84	76	8	54	6
RT	41.8	13.6	27.0	6.50	18.2
	61	67	23	5	75

FIGURE 119 (continuing)

10/519950

	R3*S	RS	RT
R3*S	0	15.9	0.00
RS	21	0	29.4
RT	4	65	0

Wilks' lambda

Lambda = 0.0000 df = 45 7 45  
Approx. F = 5.2756 df = 315 20 prob = 0.0000

Classification functions

	F3*	F3*S	FS	FT	R3*
CONSTANT	7356.799	5637.861	4201.980	306.080	2116.499

	R3*S	RS	RT
CONSTANT	427.721	4460.284	1225.056

FIGURE 120

10/519950

FACTOR(1)	5.325	88	3336.155	-	32.243	28	9.611	37	94.506	19
FACTOR(2)	1189.608	-	0.078	64	482.200	-	.800	53	357.182	-
FACTOR(3)	3.254	73	54.265	29	2573.948	-	619.584	-	1742.564	-
FACTOR(4)	03.939	11	1214.829	-	0.686	98	.868	34	6.431	71
FACTOR(5)	0.353	91	1522.227	-	22.642	12	6.464	11	9.387	90
FACTOR(6)	8.258	28	5.952	29	265.061	-	80.595	-	187.563	-
FACTOR(7)	19.786	16	96.056	10	1193.107	-	387.205	-	625.109	-
FACTOR(8)	1140.457	-	7.611	90	691.194	-	.196	33	544.344	-
FACTOR(9)	249.941	-	743.279	-	1.489	66	9.031	15	9.891	42
FACTOR(10)	719.913	-	227.624	-	8.814	27	5.837	14	6.473	11
FACTOR(11)	0.282	79	1311.675	-	30.215	10	.504	94	3.396	78
FACTOR(12)	97.052	14	1420.478	-	38.720	10	.468	29	2.841	86
FACTOR(13)	895.490	-	47.340	-	1.539	18	1.537	14	971	0.
FACTOR(14)	6.867	81	413.070	-	4.639	23	49.142	-	6.640	25
FACTOR(15)	2.076	48	.884	46	67.783	-	88.142	-	23.64	-
FACTOR(16)	81.496	-	130.719	-	0.991	11	.778	39	.874	71
FACTOR(17)	1191.607	-	57.059	20	1679.725	-	166.411	-	1231.019	-
FACTOR(18)	1417.776	-	6.412	61	343.838	-	.728	96	391.897	-
FACTOR(19)	5.084	52	254.610	-	4.486	16	33.702	-	6.883	16
FACTOR(20)	52.578	19	354.785	-	0.301	11	225.896	-	3.415	23
FACTOR(21)	1234.827	-	9.534	37	151.066	-	0.150	13	255.522	-
FACTOR(22)	666.088	-	07.799	12	1022.400	-	80.786	-	720.577	-
FACTOR(23)	833.821	-	153.721	-	1.197	20	6.884	15	.376	83
FACTOR(24)	1.573	94	1846.576	-	37.538	15	5.061	14	85.487	10
FACTOR(25)	242.956	-	560.933	-	8.925	50	7.562	11	4.727	33
FACTOR(26)	745.639	-	98.794	13	1164.052	-	110.083	-	838.579	-
FACTOR(27)	8.920	77	569.483	-	2.121	37	23.140	-	5.486	34
FACTOR(28)	657.807	-	9.621	69	536.667	-	11.767	-	429.010	-
FACTOR(29)	2.459	25	729.338	-	9.608	62	.267	72	2.399	43
FACTOR(30)	329.901	-	254.889	-	7.568	26	.791	86	2.336	16
FACTOR(31)	15.784	-	425.790	-	8.537	38	.283	53	0.897	25
FACTOR(32)		88		15		-		-		-

FIGURE 120 (continuing)

OBLON, SPIVAK, ET AL.  
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Preliminary Amendment  
REPLACEMENT SHEET  
199/218

10/519950

FACTOR(1)	516.421	-	71.510	29	1210.085	-
FACTOR(2)	2.374	32	595.120	-	3.744	51
FACTOR(3)	9.068	15	2501.821	-	9.296	62
FACTOR(4)	353.442	-	96.718	10	654.132	-
FACTOR(5)	328.479	-	31.529	13	672.563	-
FACTOR(6)	37.733	-	251.033	-	499	3.
FACTOR(7)	152.418	-	1010.654	-	74.246	-
FACTOR(8)	9.949	30	835.407	-	0.266	57
FACTOR(9)	28.284	-	2.608	64	141.922	-
FACTOR(10)	0.762	10	6.379	19	2.348	12
FACTOR(11)	267.696	-	44.530	11	570.825	-
FACTOR(12)	410.379	-	11.799	12	784.511	-
FACTOR(13)	9.889	12	.525	62	0.266	20
FACTOR(14)	174.147	-	0.427	34	311.017	-
FACTOR(15)	89.587	-	14.115	-	123.256	-
FACTOR(16)	673	3.	3.078	10	10.157	-
FACTOR(17)	8.489	44	1806.603	-	4.382	91
FACTOR(18)	5.935	30	512.894	-	9.741	52
FACTOR(19)	122.409	-	122.409	21	213.257	-
FACTOR(20)	397.324	-	3.055	33	619.912	-
FACTOR(21)	1.744	23	320.278	-	9.228	40
FACTOR(22)	7.874	26	1108.931	-	4.411	54
FACTOR(23)	2.105	14	2.272	10	3.290	18
FACTOR(24)	376.504	-	72.559	16	793.673	-
FACTOR(25)	7.187	-	3.777	49	98.351	-
FACTOR(26)	6.676	29	1247.184	-	0.743	61
FACTOR(27)	180.161	-	4.691	49	350.244	-
FACTOR(28)	9.587	18	622.211	-	6.693	37
FACTOR(29)	132.213	-	6.456	66	290.064	-
FACTOR(30)	.545	27	4.265	22	968	0.
FACTOR(31)	42.314	-	2.739	40	126.892	-
FACTOR(32)		27	-	-		63

FIGURE 120 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
200/218

10/519950

	569.927		89.968		1341.629		161.012		986.491
FACTOR(33)	1.128	15	-	27	-	26	-	17	
		39	-	42	-	24	-	31	
FACTOR(34)	1.097		-	43	-	65	-	28	
	.879	21	-	-	-	-	-	-	
FACTOR(35)			63	-	-	-	-	-	
	357.451	-	-	25	-	-	-	20	
FACTOR(36)		56	-	-	-	-	-	-	
	9.876	-	59	-	-	-	-	-	
FACTOR(37)		-	98	-	-	-	-	-	
	297.185	-	-	-	-	-	-	-	
FACTOR(38)		-	38	-	-	12	-	-	
	243.396	-	15	-	-	-	-	-	
FACTOR(39)		-	-	-	-	-	-	-	
	465.488	-	-	-	-	-	-	-	
FACTOR(40)		-	-	-	-	-	-	-	
	14.506	44	-	47	-	17	-	35	
FACTOR(41)		-	28	-	-	-	-	-	
	1.848	-	39	-	-	-	-	-	
FACTOR(42)		-	0.	0.	0.	0.	0.	0.	
	83.053	12	0.	0.	0.	0.	0.	0.	
FACTOR(43)		0.	0.	0.	0.	0.	0.	0.	
	2.862	0.	0.	0.	0.	0.	0.	0.	
FACTOR(44)		0.	0.	0.	0.	0.	0.	0.	
	000	-	52	-	-	-	-	-	
FACTOR(45)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(46)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(47)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(48)		0.	0.	0.	0.	0.	0.	0.	
	306.610	0.	0.	0.	0.	0.	0.	0.	
FACTOR(49)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(50)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(51)		0.	0.	0.	0.	0.	0.	0.	
	000	0.	0.	0.	0.	0.	0.	0.	
FACTOR(52)		0.	0.	0.	0.	0.	0.	0.	
	000		000		000		000		000

FIGURE 120 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
201/218

10/519950

	7.822	1405.922	1.130
FACTOR(33)	-	<sup>30</sup>	-
	61.258	7.829	134.079
FACTOR(34)	-	<sup>48</sup>	-
	128.043	2.732	255.530
FACTOR(35)	-	<sup>44</sup>	-
	61.517	5.127	155.045
FACTOR(36)	<sup>14</sup>	-	<sup>28</sup>
	1.801	553.931	3.078
FACTOR(37)	-	<sup>32</sup>	-
	149.909	6.269	254.505
FACTOR(38)	<sup>12</sup>	-	<sup>26</sup>
	4.734	541.574	2.776
FACTOR(39)	<sup>15</sup>	-	<sup>36</sup>
	6.442	883.045	5.823
FACTOR(40)	<sup>11</sup>	-	<sup>23</sup>
	6.478	333.909	2.723
FACTOR(41)	<sup>15</sup>	-	<sup>48</sup>
	.342	123.246	.324
FACTOR(42)	-	<sup>53</sup>	-
	146.187	6.520	292.306
FACTOR(43)	<sup>52</sup>	-	<sup>11</sup>
	.637	255.160	5.244
FACTOR(44)	<sup>25</sup>	-	<sup>89</sup>
	.751	335.940	.762
FACTOR(45)	0.	0.	0.
	000	000	000
FACTOR(46)	0.	0.	0.
	000	000	000
FACTOR(47)	0.	0.	0.
	000	000	000
FACTOR(48)	<sup>11</sup>	-	<sup>23</sup>
	6.883	481.245	6.830
FACTOR(49)	0.	0.	0.
	000	000	000
FACTOR(50)	0.	0.	0.
	000	000	000
FACTOR(51)	0.	0.	0.
	000	000	000
FACTOR(52)	0.	0.	0.
	000	000	000

Variable	F-to-remove	Tolerance	Variable	F-to-enter	Tolerance
3 FACTOR(1)	165.86	0.001301	47 FACTOR(45)	0.00	0.000000
4 FACTOR(2)	20.89	0.010747	48 FACTOR(46)	0.00	0.000000
5 FACTOR(3)	155.48	0.002697	49 FACTOR(47)	0.00	0.000000
6 FACTOR(4)	30.37	0.005689	51 FACTOR(49)	0.00	0.000000
7 FACTOR(5)	37.26	0.004393	52 FACTOR(50)	0.00	0.000000
8 FACTOR(6)	3.26	0.045888	53 FACTOR(51)	0.00	0.000000
9 FACTOR(7)	62.50	0.003602	54 FACTOR(52)	0.00	0.000000
10 FACTOR(8)	22.54	0.006860			
11 FACTOR(9)	10.46	0.014231			
12 FACTOR(10)	8.04	0.018656			
13 FACTOR(11)	27.69	0.005697			
14 FACTOR(12)	44.93	0.003898			
15 FACTOR(13)	10.57	0.015446			
16 FACTOR(14)	8.78	0.018728			
17 FACTOR(15)	3.21	0.045731			
18 FACTOR(16)	0.48	0.232616			
19 FACTOR(17)	68.14	0.002608			
20 FACTOR(18)	24.62	0.006671			
21 FACTOR(19)	3.57	0.039938			
22 FACTOR(20)	43.13	0.004298			

FIGURE 121

23	FACTOR(21)	18.37	0.010330
24	FACTOR(22)	24.41	0.006799
25	FACTOR(23)	9.65	0.015550
26	FACTOR(24)	54.39	0.003457
27	FACTOR(25)	6.53	0.023139
28	FACTOR(26)	31.22	0.005147
29	FACTOR(27)	9.95	0.017948
30	FACTOR(28)	10.02	0.014805
31	FACTOR(29)	8.36	0.017939
32	FACTOR(30)	3.06	0.048530
33	FACTOR(31)	3.36	0.043854
34	FACTOR(32)	39.28	0.005440
35	FACTOR(33)	2.08	0.077397
36	FACTOR(34)	5.09	0.028857
37	FACTOR(35)	3.83	0.037992
38	FACTOR(36)	6.56	0.022503
39	FACTOR(37)	4.86	0.032875
40	FACTOR(38)	5.88	0.026270
41	FACTOR(39)	15.03	0.011187
42	FACTOR(40)	3.95	0.038036
43	FACTOR(41)	0.65	0.194654
44	FACTOR(42)	6.37	0.024341
45	FACTOR(43)	1.50	0.093363
46	FACTOR(44)	3.21	0.048085
50	FACTOR(48)	4.69	0.031305

Classification matrix (cases in row categories classified into columns)

	F3*	F3*S	FS	FT	R3*	R3*S
F3*	5	0	0	0	0	0
F3*S	0	10	0	0	0	0
FS	0	0	5	0	0	0
FT	0	0	0	9	0	0
R3*	0	0	0	0	5	0
R3*S	0	0	0	0	0	5
RS	0	0	0	0	0	0
RT	0	0	0	0	0	0
Total	5	10	5	9	5	5

FIGURE 121 (continuing)

10/519950

	RS	RT	%correct
F3*	0	0	100
F3*	0	0	100
FS	0	0	100
FT	0	0	100
R3*	0	0	100
R3*	0	0	100
RS	5	0	100
RT	0	9	100
Total	5	9	100

Jackknifed classification matrix

	F3*	F3*S	FS	FT	R3*	R3*S
F3*	4	0	0	1	0	0
F3*S	2	3	3	0	1	0
FS	1	1	0	0	0	0
FT	3	0	4	1	0	0
R3*	2	0	0	1	0	1
R3*S	3	1	1	0	0	0
RS	0	3	1	0	0	0
RT	2	1	2	0	0	1
Total	17	9	11	3	1	2

	RS	RT	%correct
F3*	0	0	80
F3*S	1	0	30
FS	1	2	0
FT	0	1	11
R3*	1	0	0
R3*S	0	0	0
RS	1	0	20
RT	1	2	22
Total	5	5	21

FIGURE 121 (continuing)

Eigenvalues

	5277.370	1800.188	87.172	38.636	26.920	5.759
2.						
402						

Canonical correlations

	1.	1.	0.	0.	0.	0.
000	000	994	987	982	923	
0.						
840						

Cumulative proportion of total dispersion

	0.	0.	0.	0.	0.	1.
729	978	990	995	999	000	
1.						
000						

Wilks' lambda= 0.000  
Approx. F= 5.299 df= 315, 20 p-tail= 0.0000

Pillai's trace= 6.485  
Approx. F= 1.959 df= 315, 49 p-tail= 0.0026

Lawley-Hotelling trace= 7238.447  
Approx. F= -16.414 df= 315, -5 p-tail=

Canonical discriminant functions

	1	2	3	4	5
Constant	000	000	000	000	000
	6	7			
Constant	000	000			

FIGURE 121 (continuing)

FACTOR(1)	31.378	4.071	0.964	1.632	0.309
FACTOR(2)	-7.334	7.746	-1.991	2.984	-0.441
FACTOR(3)	-25.539	-16.382	4.358	1.598	-0.365
FACTOR(4)	12.422	-5.058	1.504	-1.287	0.059
FACTOR(5)	14.807	-2.371	-0.543	-0.511	0.154
FACTOR(6)	-2.286	-3.427	0.861	-1.432	0.042
FACTOR(7)	-8.310	-17.352	-2.845	-0.636	-0.059
FACTOR(8)	-9.658	6.439	-1.233	-0.388	-0.451
FACTOR(9)	6.376	4.672	-0.584	-0.123	0.724
FACTOR(10)	1.220	6.832	0.108	-0.530	0.487
FACTOR(11)	12.693	-2.092	-1.113	0.482	0.919
FACTOR(12)	14.435	-7.638	-2.155	-0.913	-0.241
FACTOR(13)	-0.462	7.678	1.776	-1.334	0.010
FACTOR(14)	4.535	-5.414	-1.623	0.360	0.522
FACTOR(15)	0.244	-4.213	1.198	0.286	-0.087
FACTOR(16)	1.031	1.143	-0.552	-0.376	0.310
FACTOR(17)	-20.055	2.888	-0.016	1.330	0.685
FACTOR(18)	-7.071	9.757	1.984	0.048	0.240
FACTOR(19)	2.921	-3.531	-0.248	-0.048	-0.755
FACTOR(20)	5.545	-15.158	0.467	-0.403	-0.437
FACTOR(21)	-4.720	9.052	1.757	-1.940	-0.405
FACTOR(22)	-11.909	1.432	-1.953	-0.315	0.021
FACTOR(23)	0.313	7.533	-1.230	-0.361	-0.032
FACTOR(24)	17.959	-1.525	1.660	0.241	1.311
FACTOR(25)	4.791	3.968	-0.176	0.842	0.160
FACTOR(26)	-13.635	1.429	-0.821	0.216	0.429
FACTOR(27)	5.934	-4.565	-1.317	0.909	1.138
FACTOR(28)	-7.117	3.111	0.071	-0.492	0.192
FACTOR(29)	7.008	0.390	1.073	0.199	0.103
FACTOR(30)	1.986	3.631	0.223	0.204	-1.108
FACTOR(31)	3.927	1.592	1.020	1.068	0.483
FACTOR(32)					

FIGURE 122

	-15.192	-0.671	-0.273	-0.961	2.409
FACTOR(33)	3.145	-0.139	0.605	0.076	1.399
FACTOR(34)	5.297	-1.439	0.298	0.187	0.718
FACTOR(35)	4.460	1.463	0.925	0.326	0.175
FACTOR(36)	-6.171	0.821	-0.119	0.662	0.723
FACTOR(37)	3.825	-3.616	1.157	0.154	0.269
FACTOR(38)	-5.844	0.449	-0.643	-0.382	0.689
FACTOR(39)	-9.343	-1.352	-0.496	-0.381	1.064
FACTOR(40)	-3.996	2.597	0.373	-0.798	0.618
FACTOR(41)	-1.432	-0.422	0.716	-0.307	1.015
FACTOR(42)	5.851	-1.719	0.850	0.639	0.111
FACTOR(43)	-2.754	-0.275	-0.342	-0.141	1.145
FACTOR(44)	-3.465	-2.389	0.077	0.375	1.222
FACTOR(45)	.	.	.	.	.
FACTOR(46)	.	.	.	.	.
FACTOR(47)	.	.	.	.	.
FACTOR(48)	-5.143	0.770	-0.884	0.091	-0.735
FACTOR(49)	.	.	.	.	.
FACTOR(50)	.	.	.	.	.
FACTOR(51)	.	.	.	.	.
FACTOR(52)	.	.	.	.	.

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FIGURE 122 (continuing)

10/519950

FACTOR(1)	4	0.37	0	0.03
FACTOR(2)	8	0.14	-	-
FACTOR(3)	3	0.37	0.102	-
FACTOR(4)	9	0.58	0.046	0.00
FACTOR(5)	3	0.52	7	0.33
FACTOR(6)	9	0.17	5	-
FACTOR(7)	-	0.509	0.117	0.13
FACTOR(8)	0.042	-	7	0.10
FACTOR(9)	0.09	5	-	-
FACTOR(10)	1	-	0.114	0.26
FACTOR(11)	0.030	1	-	0.02
FACTOR(12)	0.17	9	2	-
FACTOR(13)	-	0.054	0.268	0.10
FACTOR(14)	0.182	1	-	0.34
FACTOR(15)	0.55	5	-	-
FACTOR(16)	0.23	7	0.334	0.03
FACTOR(17)	-	0.119	9	0.31
FACTOR(18)	0.01	2	-	-
FACTOR(19)	-	0.076	0.087	-
FACTOR(20)	-	0.539	0.292	0.06
FACTOR(21)	0.531	4	-	-
FACTOR(22)	0.04	3	0.498	-
FACTOR(23)	0.04	3	0.085	-
FACTOR(24)	-	0.370	0.429	-
FACTOR(25)	0.00	4	0.397	-
FACTOR(26)	-	0.610	0.078	0.28
FACTOR(27)	-	0.710	4	0.22
FACTOR(28)	0.29	3	6	0.03
FACTOR(29)	-	0.498	1	0.03
FACTOR(30)	-	0.362	8	-
FACTOR(31)	0.10	5	0.183	0.07
FACTOR(32)	0.39	-	-	-

FIGURE 122 (continuing)

10/519950

	7	1
FACTOR(33)	-	-
	0.655	0.297
FACTOR(34)	-	0.30
	0.101	0
FACTOR(35)	-	0.12
	0.440	4
FACTOR(36)	0.09	-
	1	0.195
FACTOR(37)	0.31	0.59
	4	4
FACTOR(38)	0.39	-
	5	0.398
FACTOR(39)	0.74	-
	2	0.151
FACTOR(40)	-	0.41
	0.032	0
FACTOR(41)	-	-
	0.317	0.169
FACTOR(42)	-	0.41
	0.430	3
FACTOR(43)	0.04	-
	0	0.235
FACTOR(44)	-	0.34
	0.340	3
FACTOR(45)	.	.
FACTOR(46)	.	.
FACTOR(47)	.	.
FACTOR(48)	0.15	0.24
	2	1
FACTOR(49)	.	.
FACTOR(50)	.	.
FACTOR(51)	.	.
FACTOR(52)	.	.

Canonical discriminant functions -- standardized by within variances

FIGURE 122 (continuing)

	1	2	3	4	5
FACTOR(1)	27.438	3.560	0.843	1.427	0.270
FACTOR(2)	-6.267	6.619	-1.701	2.550	-0.376
FACTOR(3)	-16.017	-10.274	2.733	1.002	-0.229
FACTOR(4)	12.113	-4.932	1.466	-1.255	0.058
FACTOR(5)	14.841	-2.377	-0.544	-0.513	0.154
FACTOR(6)	-2.351	-3.525	0.885	-1.473	0.044
FACTOR(7)	-7.108	-14.842	-2.433	-0.544	-0.051
FACTOR(8)	-9.948	6.632	-1.270	-0.400	-0.465
FACTOR(9)	6.671	4.888	-0.611	-0.128	0.757
FACTOR(10)	1.268	7.105	0.112	-0.551	0.506
FACTOR(11)	12.950	-2.135	-1.135	0.492	0.937
FACTOR(12)	13.992	-7.404	-2.089	-0.885	-0.234
FACTOR(13)	-0.462	7.670	1.774	-1.332	0.010
FACTOR(14)	4.507	-5.381	-1.613	0.358	0.519
FACTOR(15)	0.253	-4.373	1.244	0.297	-0.090
FACTOR(16)	1.100	1.219	-0.588	-0.401	0.330
FACTOR(17)	-19.311	2.780	-0.015	1.281	0.659
FACTOR(18)	-7.069	9.754	1.983	0.048	0.240
FACTOR(19)	3.083	-3.727	-0.262	-0.050	-0.797
FACTOR(20)	5.224	-14.281	0.440	-0.380	-0.412
FACTOR(21)	-4.385	8.410	1.632	-1.803	-0.376
FACTOR(22)	-11.841	1.424	-1.942	-0.313	0.021
FACTOR(23)	0.326	7.844	-1.281	-0.375	-0.033
FACTOR(24)	16.806	-1.427	1.553	0.226	1.227
FACTOR(25)	4.955	4.104	-0.182	0.870	0.165
FACTOR(26)	-13.789	1.446	-0.830	0.218	0.434
FACTOR(27)	5.664	-4.357	-1.257	0.867	1.086
FACTOR(28)	-7.455	3.259	0.074	-0.516	0.201
FACTOR(29)	7.290	0.406	1.117	0.207	0.107
FACTOR(30)	2.048	3.745	0.230	0.211	-1.142
FACTOR(31)	4.071	1.650	1.058	1.107	0.501

FIGURE 123

FACTOR(32)	-13.329	-0.589	-0.239	-0.843	2.114
FACTOR(33)	3.082	-0.136	0.593	0.075	1.371
FACTOR(34)	5.540	-1.505	0.312	0.195	0.751
FACTOR(35)	4.666	1.531	0.968	0.341	0.183
FACTOR(36)	-6.457	0.859	-0.125	0.693	0.757
FACTOR(37)	3.832	-3.623	1.159	0.154	0.270
FACTOR(38)	-5.971	0.459	-0.657	-0.390	0.704
FACTOR(39)	-9.213	-1.333	-0.489	-0.376	1.049
FACTOR(40)	-4.113	2.673	0.384	-0.821	0.636
FACTOR(41)	-1.483	-0.437	0.741	-0.318	1.051
FACTOR(42)	5.971	-1.754	0.867	0.652	0.113
FACTOR(43)	-2.855	-0.285	-0.355	-0.146	1.187
FACTOR(44)	-3.504	-2.416	0.078	0.379	1.236
FACTOR(45)	.	.	.	.	.
FACTOR(46)	.	.	.	.	.
FACTOR(47)	.	.	.	.	.
FACTOR(48)	-5.373	0.804	-0.924	0.095	-0.768
FACTOR(49)	.	.	.	.	.
FACTOR(50)	.	.	.	.	.
FACTOR(51)	.	.	.	.	.
FACTOR(52)	.	.	.	.	.

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FIGURE 123 (continuing)

10/519950

	6	7
FACTOR(1)	0.32	0.02
	7	7
FACTOR(2)	0.12	-
	6	0.087
FACTOR(3)	0.23	-
	4	0.029
FACTOR(4)	0.57	0.00
	4	7
FACTOR(5)	0.52	0.33
	5	6
FACTOR(6)	0.18	-
	5	0.120
FACTOR(7)	-	0.11
	0.435	7
FACTOR(8)	-	0.10
	0.043	8
FACTOR(9)	0.09	-
	5	0.119
FACTOR(10)	-	0.27
	0.031	1
FACTOR(11)	0.18	0.02
	3	3
FACTOR(12)	-	-
	0.053	0.260
FACTOR(13)	-	0.10
	0.182	1
FACTOR(14)	0.55	0.34
	2	2
FACTOR(15)	0.24	-
	7	0.346
FACTOR(16)	-	0.04
	0.127	2
FACTOR(17)	-	0.30
	0.266	6
FACTOR(18)	0.01	-
	2	0.202
FACTOR(19)	-	-
	0.081	0.092
FACTOR(20)	-	-
	0.508	0.275
FACTOR(21)	-	0.05
	0.494	9
FACTOR(22)	0.04	-
	2	0.496
FACTOR(23)	0.04	-
	5	0.089
FACTOR(24)	-	-
	0.346	0.402
FACTOR(25)	0.00	-
	4	0.410
FACTOR(26)	-	-
	0.616	0.079
FACTOR(27)	-	0.27
	0.678	1
FACTOR(28)	0.30	0.23
	7	7
FACTOR(29)	-	0.03
	0.518	2
FACTOR(30)	-	0.04
	0.373	0
FACTOR(31)	0.10	-
	9	0.190

FIGURE 123 (continuing)

FACTOR(32)	0.34	0.06
8	-	2
FACTOR(33)	0.642	0.291
-	-	0.31
FACTOR(34)	0.105	4
-	-	0.13
FACTOR(35)	0.460	0
0.09	-	-
FACTOR(36)	5	0.204
0.31	-	0.59
FACTOR(37)	4	5
0.40	-	-
FACTOR(38)	4	0.406
0.73	-	-
FACTOR(39)	2	0.149
-	-	0.42
FACTOR(40)	0.033	2
-	-	-
FACTOR(41)	0.329	0.175
-	-	0.42
FACTOR(42)	0.439	2
0.04	-	-
FACTOR(43)	1	0.244
-	-	0.34
FACTOR(44)	0.344	6
FACTOR(45)	.	.
FACTOR(46)	.	.
FACTOR(47)	.	.
FACTOR(48)	0.15	0.25
9	1	.
FACTOR(49)	.	.
FACTOR(50)	.	.
FACTOR(51)	.	.
FACTOR(52)	.	.

Canonical scores of group means

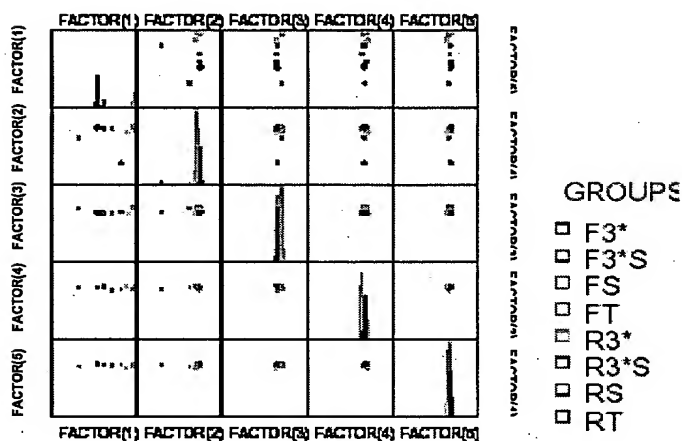
	1	2	3	4	5
F3*	43.081	113.251	4.364	1.429	2.323
F3*S	104.714	14.520	9.260	0.616	2.977
FS	86.840	25.022	13.495	4.830	3.285
FT	10.393	18.853	6.650	9.729	0.283
R3*	62.606	7.312	9.120	7.595	10.641
R3*S	19.093	18.816	7.253	7.728	2.641
RS	92.468	11.944	11.481	5.703	6.912
RT	41.768	25.145	5.995	0.841	4.729

FIGURE 123 (continuing)

10/519950

	6	7
F3*	1.03	-
F3*S	3	0.204
	-	0.15
FS	0.842	7
	3.79	-
FT	2	1.371
	-	-
FT	2.362	0.091
	-	1.30
R3*	0.258	9
	-	-
R3*S	0.670	3.601
	-	1.24
RS	3.109	4
	2.86	1.37
RT	1	5

### Canonical Scores Plot



\*\*\*WARNING\*\*\*

The file

C:\Utilisateurs\OGp8586\Pr810G290802F.SYD

was read for processing, and its contents have been replaced by saving the processed data into it.

53 cases and 56 variables processed and saved.

Distance metric is Euclidean distance

k-means splitting cases into 3 groups

Summary statistics for all cases

Variable	Between SS	df	Within SS	df	F-ratio
FACTOR(1)	4.310	2	47.690	50	2.259
FACTOR(2)	2.931	2	49.069	50	1.493
FACTOR(3)	1.260	2	50.740	50	0.621
FACTOR(4)	0.450	2	51.550	50	0.218
FACTOR(5)	0.433	2	51.567	50	0.210

FIGURE 124

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
214/218

10/519950

FACTOR(6)	0.993	2	51.007	50	0.487
FACTOR(7)	1.371	2	50.629	50	0.677
FACTOR(8)	0.373	2	51.627	50	0.181
FACTOR(9)	1.368	2	50.632	50	0.675
FACTOR(10)	1.309	2	50.691	50	0.646
FACTOR(11)	5.184	2	46.816	50	2.768
FACTOR(12)	4.242	2	47.758	50	2.221
FACTOR(13)	3.361	2	48.639	50	1.727
FACTOR(14)	0.109	2	51.891	50	0.052
FACTOR(15)	0.219	2	51.781	50	0.106
FACTOR(16)	2.089	2	49.911	50	1.046
FACTOR(17)	4.144	2	47.856	50	2.165
FACTOR(18)	3.101	2	48.899	50	1.586
FACTOR(19)	1.107	2	50.893	50	0.544
FACTOR(20)	3.794	2	48.206	50	1.968
FACTOR(21)	2.569	2	49.431	50	1.299
FACTOR(22)	0.117	2	51.883	50	0.057
FACTOR(23)	2.352	2	49.648	50	1.184
FACTOR(24)	4.014	2	47.986	50	2.091
FACTOR(25)	0.662	2	51.338	50	0.322
FACTOR(26)	1.397	2	50.603	50	0.690
FACTOR(27)	0.297	2	51.703	50	0.144
FACTOR(28)	1.058	2	50.942	50	0.519
FACTOR(29)	1.008	2	50.992	50	0.494
FACTOR(30)	0.535	2	51.465	50	0.260
FACTOR(31)	1.603	2	50.397	50	0.795
FACTOR(32)	2.181	2	49.819	50	1.095
FACTOR(33)	0.690	2	51.310	50	0.336
FACTOR(34)	0.029	2	51.971	50	0.014
FACTOR(35)	4.310	2	47.690	50	2.260
FACTOR(36)	2.031	2	49.969	50	1.016
FACTOR(37)	0.522	2	51.478	50	0.253
FACTOR(38)	10.691	2	41.309	50	6.470
FACTOR(39)	1.890	2	50.110	50	0.943
FACTOR(40)	0.161	2	51.839	50	0.077
FACTOR(41)	1.642	2	50.358	50	0.815
FACTOR(42)	1.395	2	50.605	50	0.689
FACTOR(43)	4.625	2	47.375	50	2.441
FACTOR(44)	2.887	2	49.113	50	1.469
FACTOR(45)	0.385	2	51.615	50	0.187
FACTOR(46)	2.941	2	49.059	50	1.499
FACTOR(47)	1.830	2	50.170	50	0.912
FACTOR(48)	0.753	2	51.247	50	0.368
FACTOR(49)	0.026	2	51.974	50	0.012
FACTOR(50)	1.858	2	50.142	50	0.927
FACTOR(51)	1.300	2	50.700	50	0.641
FACTOR(52)	4.092	2	47.908	50	2.135
** TOTAL **	104.000	104	2600.000	2600	

Cluster 1 of 3 contains 18 cases

Members			Statistics			
Case	Distance	Variable	Minimum	Mean	Maximum	St.Dev.
Case 1	0.97	FACTOR(1)	-0.87	0.36	1.38	0.58
Case 5	0.97	FACTOR(2)	-0.59	0.29	1.34	0.60
Case 6	0.97	FACTOR(3)	-1.65	-0.19	0.69	0.50
Case 8	0.97	FACTOR(4)	-1.08	-0.05	1.66	0.74
Case 10	0.97	FACTOR(5)	-0.60	0.08	0.88	0.45
Case 11	0.97	FACTOR(6)	-1.30	-0.09	1.61	0.74
Case 13	0.97	FACTOR(7)	-1.71	-0.21	1.07	0.70
Case 14	0.97	FACTOR(8)	-1.03	0.07	1.06	0.62
Case 16	0.97	FACTOR(9)	-0.52	0.11	0.58	0.34
Case 17	0.97	FACTOR(10)	-2.74	-0.17	1.61	0.94
Case 18	0.97	FACTOR(11)	-0.68	0.24	1.02	0.46
Case 19	0.97	FACTOR(12)	-1.61	-0.01	1.21	0.68

FIGURE 124 (continuing)

OBLON, SPIVAK, ET AL.  
DOCKET #: 263996US2XPCT  
INV: Alexis COLLETTE, et al.  
SERIAL NO. 10/519,950  
Preliminary Amendment  
REPLACEMENT SHEET  
215/218

10/519950

Case 20	0.97	FACTOR (13)	-1.30	0.01	0.88	0.55
Case 21	0.97	FACTOR (14)	-1.38	0.06	0.94	0.51
Case 28	0.97	FACTOR (15)	-0.82	0.06	1.20	0.57
Case 36	0.97	FACTOR (16)	-1.60	-0.12	0.65	0.62
Case 38	0.97	FACTOR (17)	-1.62	0.07	1.57	0.81
Case 53	0.97	FACTOR (18)	-1.10	0.22	2.55	0.94
		FACTOR (19)	-1.25	0.15	3.67	1.00
		FACTOR (20)	-1.48	-0.30	1.47	0.87
		FACTOR (21)	-1.51	-0.15	1.68	0.83
		FACTOR (22)	-2.73	-0.06	2.08	1.12
		FACTOR (23)	-1.86	-0.06	1.44	0.90
		FACTOR (24)	-1.48	0.20	2.00	1.09
		FACTOR (25)	-1.53	0.11	2.06	0.94
		FACTOR (26)	-1.20	0.18	2.67	0.98
		FACTOR (27)	-1.91	-0.08	1.35	1.02
		FACTOR (28)	-2.43	0.09	1.61	0.99
		FACTOR (29)	-1.28	0.04	1.79	0.87
		FACTOR (30)	-2.91	0.05	1.90	1.17
		FACTOR (31)	-1.86	0.20	2.39	1.15
		FACTOR (32)	-2.49	-0.24	1.56	1.25
		FACTOR (33)	-1.58	0.03	1.91	0.99
		FACTOR (34)	-1.55	-0.00	2.96	1.01
		FACTOR (35)	-2.25	-0.31	1.85	1.17
		FACTOR (36)	-2.91	0.07	1.90	1.14
		FACTOR (37)	-2.83	0.13	2.35	1.43
		FACTOR (38)	-2.61	-0.62	2.33	1.15
		FACTOR (39)	-2.80	-0.26	2.23	1.14
		FACTOR (40)	-2.61	0.01	2.51	1.25
		FACTOR (41)	-3.28	-0.24	2.90	1.44
		FACTOR (42)	-2.52	0.05	2.78	1.41
		FACTOR (43)	-2.88	0.31	2.13	1.14
		FACTOR (44)	-1.49	-0.04	1.99	0.96
		FACTOR (45)	-1.42	0.11	1.83	0.91
		FACTOR (46)	-1.62	-0.11	2.10	0.97
		FACTOR (47)	-2.13	0.26	2.79	1.24
		FACTOR (48)	-3.21	-0.15	1.91	1.42
		FACTOR (49)	-1.52	-0.02	2.29	1.03
		FACTOR (50)	-3.70	-0.23	1.37	1.41
		FACTOR (51)	-2.42	0.21	3.70	1.43
		FACTOR (52)	-1.87	0.35	5.52	1.49

Cluster 2 of 3 contains 18 cases

Members		Statistics				
Case	Distance	Variable	Minimum	Mean	Maximum	St.Dev.
Case 22	0.97	FACTOR (1)	-1.96	-0.04	1.50	0.99
Case 23	0.97	FACTOR (2)	-1.65	-0.28	1.84	0.91
Case 25	0.97	FACTOR (3)	-2.16	0.18	2.85	1.30
Case 26	0.97	FACTOR (4)	-3.55	0.13	2.26	1.31
Case 29	0.97	FACTOR (5)	-2.04	0.04	2.02	1.17
Case 30	0.97	FACTOR (6)	-1.84	0.19	3.40	1.41
Case 31	0.97	FACTOR (7)	-2.58	0.18	2.90	1.43
Case 33	0.97	FACTOR (8)	-1.79	0.05	3.56	1.31
Case 34	0.97	FACTOR (9)	-2.10	0.11	1.92	1.30
Case 35	0.97	FACTOR (10)	-2.21	0.20	1.62	1.01
Case 37	0.97	FACTOR (11)	-2.89	-0.44	2.63	1.28
Case 39	0.97	FACTOR (12)	-0.86	0.34	2.99	0.96
Case 41	0.97	FACTOR (13)	-1.25	0.30	1.52	0.81
Case 42	0.97	FACTOR (14)	-2.72	-0.05	3.12	1.29
Case 43	0.97	FACTOR (15)	-1.89	-0.09	2.38	1.28
Case 45	0.97	FACTOR (16)	-1.83	-0.15	1.79	1.02
Case 49	0.97	FACTOR (17)	-3.46	-0.36	1.37	1.26
Case 51	0.97	FACTOR (18)	-1.87	-0.33	2.39	1.19
		FACTOR (19)	-1.52	-0.19	1.56	0.83
		FACTOR (20)	-1.04	0.34	2.34	0.91

FIGURE 124 (continuing)

10/519950

FACTOR (21)	-1.76	-0.15	1.64	0.88
FACTOR (22)	-2.88	0.05	1.52	1.06
FACTOR (23)	-1.30	0.28	1.77	0.87
FACTOR (24)	-1.56	0.18	1.13	0.74
FACTOR (25)	-2.32	-0.15	1.30	1.13
FACTOR (26)	-2.06	0.02	2.86	1.08
FACTOR (27)	-1.84	0.10	1.31	0.96
FACTOR (28)	-3.30	-0.20	2.60	1.25
FACTOR (29)	-2.04	0.14	1.94	1.03
FACTOR (30)	-3.05	0.09	1.97	1.13
FACTOR (31)	-2.39	-0.22	1.77	1.10
FACTOR (32)	-1.41	0.00	1.38	0.87
FACTOR (33)	-1.87	0.12	3.89	1.17
FACTOR (34)	-1.66	-0.03	2.05	0.98
FACTOR (35)	-1.30	-0.05	1.39	0.79
FACTOR (36)	-2.33	-0.26	0.85	0.85
FACTOR (37)	-1.47	-0.11	0.94	0.67
FACTOR (38)	-0.69	0.39	2.27	0.72
FACTOR (39)	-1.65	0.15	2.24	0.95
FACTOR (40)	-1.99	0.06	2.46	0.98
FACTOR (41)	-1.96	0.06	1.12	0.73
FACTOR (42)	-1.48	-0.22	1.04	0.71
FACTOR (43)	-2.27	0.07	1.99	0.86
FACTOR (44)	-1.75	-0.26	0.43	0.60
FACTOR (45)	-2.00	-0.02	1.13	0.75
FACTOR (46)	-0.59	0.32	2.18	0.77
FACTOR (47)	-2.07	-0.14	1.24	0.91
FACTOR (48)	-0.86	0.01	1.02	0.46
FACTOR (49)	-1.65	-0.01	1.88	0.74
FACTOR (50)	-1.15	0.01	2.45	0.76
FACTOR (51)	-1.95	-0.15	0.52	0.59
FACTOR (52)	-0.85	-0.04	1.08	0.39

Cluster 3 of 3 contains 17 cases

Members		Statistics				
Case	Distance	Variable	Minimum	Mean	Maximum	St.Dev.
Case 2	0.97	FACTOR (1)	-2.67	-0.34	1.58	1.26
Case 3	0.97	FACTOR (2)	-4.29	-0.01	1.70	1.34
Case 4	0.97	FACTOR (3)	-3.06	0.01	1.49	1.05
Case 7	0.97	FACTOR (4)	-1.44	-0.08	2.65	0.90
Case 9	0.97	FACTOR (5)	-3.05	-0.13	2.34	1.25
Case 12	0.97	FACTOR (6)	-1.95	-0.10	1.24	0.71
Case 15	0.97	FACTOR (7)	-1.12	0.03	1.24	0.69
Case 24	0.97	FACTOR (8)	-2.94	-0.12	1.55	1.00
Case 27	0.97	FACTOR (9)	-2.80	-0.23	1.73	1.12
Case 32	0.97	FACTOR (10)	-1.57	-0.03	1.85	1.07
Case 40	0.97	FACTOR (11)	-1.92	0.20	2.23	0.98
Case 44	0.97	FACTOR (12)	-3.64	-0.35	1.09	1.23
Case 46	0.97	FACTOR (13)	-3.30	-0.32	2.52	1.42
Case 47	0.97	FACTOR (14)	-2.33	-0.00	2.00	1.10
Case 48	0.97	FACTOR (15)	-2.66	0.02	1.87	1.07
Case 50	0.97	FACTOR (16)	-2.14	0.29	2.82	1.27
Case 52	0.97	FACTOR (17)	-0.84	0.31	2.01	0.77
		FACTOR (18)	-1.47	0.12	1.58	0.79
		FACTOR (19)	-2.40	0.05	2.69	1.18
		FACTOR (20)	-1.58	-0.04	2.30	1.15
		FACTOR (21)	-1.10	0.32	3.10	1.24
		FACTOR (22)	-1.15	0.01	1.63	0.85
		FACTOR (23)	-3.20	-0.23	1.17	1.20
		FACTOR (24)	-3.25	-0.40	0.87	1.08
		FACTOR (25)	-1.25	0.04	2.36	0.95
		FACTOR (26)	-2.19	-0.22	0.98	0.94
		FACTOR (27)	-2.32	-0.02	1.60	1.08
		FACTOR (28)	-0.81	0.11	1.39	0.70

FIGURE 124 (continuing)

FACTOR (29)	-2.02	-0.19	1.91	1.12
FACTOR (30)	-1.45	-0.14	0.90	0.64
FACTOR (31)	-1.32	0.01	1.44	0.68
FACTOR (32)	-1.07	0.26	2.55	0.81
FACTOR (33)	-2.34	-0.16	1.04	0.84
FACTOR (34)	-1.63	0.03	2.15	1.07
FACTOR (35)	-0.87	0.39	3.01	0.93
FACTOR (36)	-0.85	0.21	2.47	0.99
FACTOR (37)	-1.42	-0.02	1.98	0.75
FACTOR (38)	-0.94	0.25	2.60	0.80
FACTOR (39)	-2.19	0.12	1.53	0.88
FACTOR (40)	-1.06	-0.07	1.56	0.74
FACTOR (41)	-0.49	0.18	1.55	0.62
FACTOR (42)	-1.77	0.17	1.31	0.73
FACTOR (43)	-2.28	-0.40	1.13	0.88
FACTOR (44)	-2.33	0.31	2.96	1.31
FACTOR (45)	-2.74	-0.10	3.27	1.33
FACTOR (46)	-3.40	-0.23	1.73	1.20
FACTOR (47)	-1.86	-0.12	1.55	0.78
FACTOR (48)	-2.16	0.15	1.63	0.91
FACTOR (49)	-2.51	0.03	3.14	1.24
FACTOR (50)	-1.00	0.23	1.43	0.64
FACTOR (51)	-2.57	-0.06	1.05	0.79
FACTOR (52)	-1.99	-0.33	0.44	0.68

Cluster Parallel Coordinate Plots

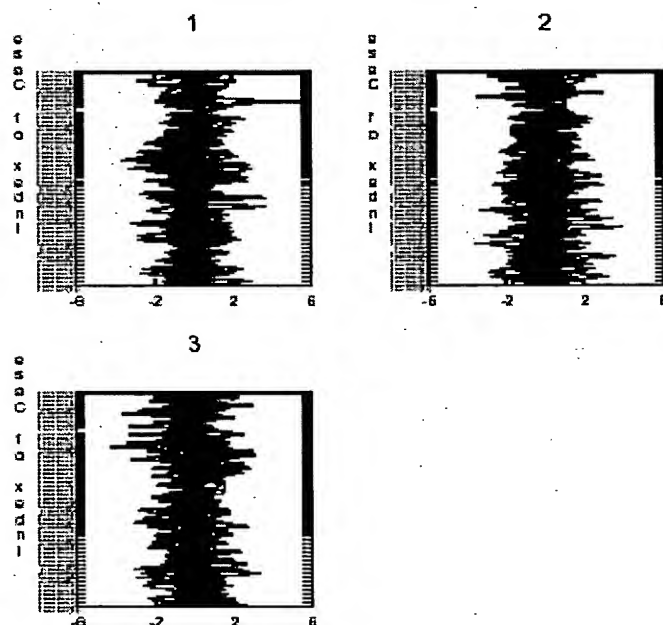


FIGURE 125

Cluster Profile Plots

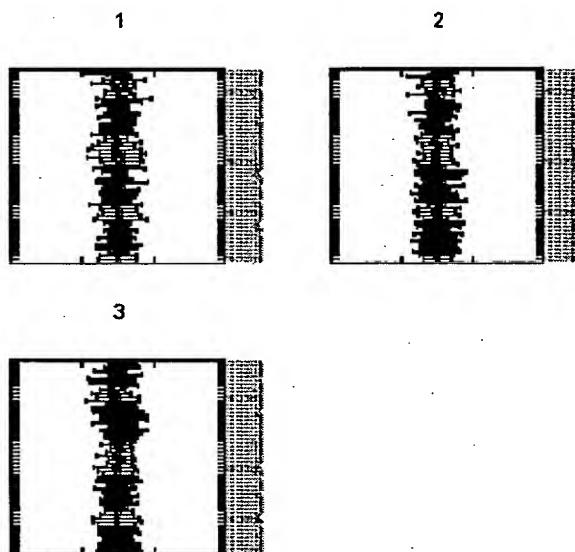


FIGURE 125 (continuing)